RAILWAY AND COMMERCIAL GAZETTE:

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

[The MINING JOURNAL is Registered at the General Post Office as a Newspaper and for Transmission Abroad.]

No. 2414.—Vol. LI.

LONDON, SATURDAY, NOVEMBER 26, 1881.

RRITISH AND FOREIGN MINING OFFICES.

MESSES. PETER WATSON AND CO., 18, AUSTIN FRIARS, OLD BROAD STREET, LONDON, E.C.

BANKERS: THE ALLIANCE BANK (Limited).

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MR. JAMES H. CROFTS, STOCK AND SHARE BROKER, AND MINING SHARE DEALER, No. 1, FINCH LANE, CORNHILL, LONDON, E.C. ESTABLISHED 1842.

Business transacted in all descriptions of Mining Stocks and Shares (British and Foreign), Consols, Banks, Bonds (Foreign and Colonial), Rail-ways, Insurance, Assurance, Telegraph, Tramway, Shipping, Canal, Gas, Water, and Dock Shares, and all Miscellaneous Shares. Busixess negociated in Stocks and Shares not having a general market

Watter, Every Friday a general and reliable List issued (a copy of which will be forwarded on application), containing closing prices of the week.

MINES INSPECTED.
BANKERS: CITY BANK, LONDON-SOUTH CORNWALL BANK, ST. AUSTELL.

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SHARES.

JAMES H. CROFTS, 1, FINCH LANE, LONDON.
ESTABLISHED 1842.

NDIAN GOLD MINES,—SPECIAL BUSINESS in :-

NDIAN GOLD MINES.—SPECIAL BUSINESS in:

Indian Kingston. Rhodes Reef.

Bovala Central. Indian Phœnix. South-East Wynaad.

Bovala Central. Mysore. Indian Great Southern Mysore.

Indian Glenrock. Mysore. Wynaad Perseverance.

"*" Reliable information given on any of the above. A daily price list issued giving closing quotations. SPECIAL BUSINESS in Frontino and Bolivia Potosi, Ruby, Nouveau Monde, and Richmond.

Poton, Ruby, Nouveau Monde, and Richmond.

"* SHARES IN THE ABOVE INDIAN OR OTHER GOLD AND SILVER
MINES SOLD FOR FORWARD DELIVERY ONE, TWO, OR THREE
MONTHS ON DEPOSIT OF TWENTY PER CENT.

JAMES H. CROFTS, I, FINCH LANE, LONDON.

RAILWAYS — FOREIGN BONDS — SPECIAL BUSINESS.
Fortnighly Accounts opened on receipt of the usual cover.
JAMES H, CROFTS, 1, FINCH LANE, LONDON.

MERICAN AND CANADIAN STOCKS AND SHARES—
SPECIAL BUSINESS.
Fortnightly Accounts opened on receipt of the usual cover.
JAMES H. CROFTS, 1, FINCH LANE, LONDON.

MR. W. H. BUMPUS, STOCK AND SHARE BROKER, AND MINING SHARE DEALER
44, THREADNEEDLE STREET, LONDON, E.C. ESTABLISHED 1867.

BUSINESS transacted in STOCK EXCHANGE SECURITIES and MISCELLANEOUS SHARES of every description.
RAILWAYS, BANKS, FOREIGN and COLONIAL BONDS.
TRAMWAYS, TELEGRAPHS, and all the LEADING INVESTMENTS.
Accounts opened for the Fortnightly Settlement
A List of Investments free on application.

A List of Investments free on application.

Mr. BUMPUS has SPECIAL BUSINESS in the undermentioned:—
30 Frontino, £3 16s. 3d.
25 Arendal.
25 Arendal.
26 Goodevere, 23s.
30 Bedford United, 33s.
30 Bedford United, 33s.
30 Bedford United, 33s.
40 Goodevere, 23s.
510 Callao Bils, 17s.
52 Copiapo, £3.
53 Cornarvon, 16s.
53 Copiapo, £3.
54 Carn Brea, £274.
55 Dervant, £78.
56 Devala-Moyar, £78.
57 Dervent, £78.
58 Devon Consols, £7 3 9
59 Devala-Moyar, £78.
50 Deva

25 Eberhardt, 18s. 9 S Parys Copper, 193. 6d.
SPECIAL BUSINESS, at close prices, in the SHARES of all the principal
HOME and FOREIGN MINES.
Mr. BUMPUS devotes special attention to these Securities, and is in a position of

The position of the TIN market is steadily improving, and, in all probability, there will be a further considerable advance in the price of this metal before the end of the year.

Shares in SOUND TIN MINES should, therefore, be bought at present prices as many of them are likely to have an early and substantial rise. Those who have followed my advice during the past few months can now realise good profits, and there is still every prospect that higher prices will be reached before long. WHEAL GRENVILLE.—A very satisfactory meeting was held on Thursday last when a dividend of 5s. per share was declared, payable forthwith. The profit made last quarter was over £2000, and with the present excellent prospects in all probability a dividend of 10s. per share will be forthcoming at the next meeting. This property has now an established position among the leading tin mines of Cornwall, and the shares are well worth buying for investment. See report of meeting in this week's Mining Journal.

WEBT GODOLPHIN.—This mine is fast improving in value, and there has been an active demand for the shares during the past week. They are firm at £2½, £2½, and likely to be much higher before the end of the year. The management is the same as WHEAL GRENVILLE. ffected

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1881.

Shares specially recommended, viz—Parys, West Caradon, New West Caradon, New West Caradon, llose, West Orebor, Sortridge, Eberhardt, Nouveau Monde, La Plata, and mgford. Some of these shares are likely to advance in price many hundreds recont.

WILLIAM HENRY BUMPUS, SWORN BROKER, OFFICES: 44, THREADNEEDLE STREET, LONDON, E.C. ESTABLISHED 1867.

M. EDWARD ASHMEAD, 2, DRAPER'S GARDENS, E.C., MINING SECRETARY, AUDITOR, AND ACCOUNTANT.

MR. JOHN RISLEY, STOCK AND SHARE BROKER, 28, CORNHILL, LONDON, E.C. BANKERS: LONDON AND WESTMINSTER (Lothbury). ESTABLISHED TWENTY YEARS.

The position of the TIN market is steadily improving, and, in all probability, here will be a further considerable advance in the price of this metal before the

Per cent.

Money invested in each of the above companies will no doubt yield a very handsome average profit within twelve months.

FOR SALE, 100 Langfords, 15s.

MESSRS. PETER WATSON AND CO.'S BRITISH AND FOREIGN MONTHLY MINING NEWS

-STOCK AND SHARE INVESTMENT NOTES - MINES, MINERALS, AND METAL MARKETS - SHARE LIST. No. 836, Vol. XVI., for NOVEMBER month, will be ready next week, and will be sent to customers on application.

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COOKE

M R. ALFRED E. UUU.

DEALER IN BRITISH and FOREIGN STOCKS and SHARES
of EVERY DESCRIPTION.
76, OLD BOAD STREET, LONDON.

BOTA BLISHED 1853.

INVESTMENT NOTES.

Readers of the MINING JOURNAL are referred to the above on page 1459. Shares in the mines there recommended, as well as those currently dealt in, are supplied at closest market price either for cash, fortnightly settlement, or for settlement two or three months hence.

THE RISE IN METALS. See Investor's Gazette. New Supplement just issued.
ALFRED E. COOKE, 76, OLD BROAD STREET, LONDON. (15 years at the above offices, adjoining the Stock Exchange, with which they are in DIRECT TELEGRAPHIC COMMUNICATION.)

STOCKS AND SHARES,
FOREIGN BONDS, TELEGRAPHS, TRAMWAYS, RAILWAYS, AND
OTHER LEADING SECURITIES.

R. JAMES STOCKER, STOCKBROKER,
2, CROWN COURT, THREADNEEDLE STREET, LONDON, E.C.

Special Business at close prices in all British, Colonial, and Foreign Min Shares. BANKERS: LONDON AND WESTMINSTER.

JOHN B. REYNOLDS, STOCK AND SHARE DEALER, 37, WALBROOK, LONDON, E.C. ESTABLISHED 25 YEARS. BANKERS: LONDON JOINT-STOCK.

Mr. REYNOLDS recommends the purchase of shares in the following Mines viz.:

WEST KITTY, WEST POLBREEN, NEW KITTY.

WEST KITTY, WEST POLBREEN, NEW KITTY.

And other Mines in the St. Agnes district are worth notice.

Mr. Reynolds has gained his information upon which great reliance can be placed at considerable expense. Cerrespondents, therefore, wishing for his guidance and advice in Mining matters must accompany their applications with a fee of 21s.

Mr. Reynolds has recommended West Kitty from 20s. and upwards, but considers the shares at present prices amongst the cheapest in the market.

Mr. Reynolds refers his readers to his article on page 1459.

M. E. J. BARTLETT, 30, GREAT ST. HELENS, LONDON, A. E. C., has special dealings in Stock Exchange Securities and Miscellaneous that of every description.

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M ESSRS. ABBOTT AND WICKETT, STOCK AND SHARE BROKERS, REDRUTH. ORDERS BY TELEGRAM PROMPTLY EXECUTED.

MESSRS. ENDEAN AND CO., STOCK AND SHARE DEALERS, 85, GRACECHURCH STREET, LONDON, E.C.
ESTABLISHED 1861.
Bankers: London and Westminster, Lothbury, E.C.

M ESSRS. F. E. WATSON AND CO., FINANCIAL AGENTS, AND CO., STOCK AND SHARE DEALERS, 4, COPTHALL BUILDINGS, THROGMORTON STREET LONDON, E.C.

F. E. W. and Co. strongly recommend an investment in the following companies at present prices:

Lady Bertha United.
Gunnislake (Cletters),

East Chillaton Manganese.

East Chillaton Manganese.

Lowering.

MR. GEORGE BUDGE, STOCK AND SHARE DEALER
9, GRACECHURCH STREET, LONDON, E.C. (Established 28 years),
ALL BUSINESS TRANSACTED FREE OF ANY CHARGE FOR
COMMISSION.
Notice to Investors and Speculators. Mr. BUDGE has DEALINGS in—
60 Almada, 50 Goodlevere.
50 Redford United, 35 Goginan. 65 Pandora.
100 Chontales. 70 Hoover Hill. 55 South Indian.
50 Carnarvon. 25 Hingston Down. 4 Carn Brea. 50 Indian Phænix. 70 South Penstruthal.
50 Devon Friendship. 100 Javali. 70 South Darren. 70 Tollma. 100 Tollma. Notice to Investors an 60 Almada. 50 Bedford United. 100 Chontales. 50 Carnarvon. 4 Carn Brea. 50 Devon Friendship. 100 Don Pedro. 1 Dolcoath. 100 Eberhardt. 70 East Blue Hill. 55 East Caradon. 20 Frongoch. 55 Gewton. 35 South Darren,
100 Tolima,
15 West Kitty,
30 West Phœnix,
50 West Polbreen
50 West Godolphin,
100 West Orebor,
20 Wheal Coates

28 Ruby, 38 11s. dd.
40 Royalto Paren, 28. 24
25 South Daren, 28. 9d
25 So. Indian, £1 12s. 6d
40 Tankervile, 11s.
40 Tambracherry, £1 2 6
25 Tin Hill, 17s. 6d.
40 United Van and Glyn
5s. 6d.
50 West Crebor, 8s. 6d.
50 West Crebor, 8s. 6d.
50 West Lisburne, 18s 9d
40 Wheal Jane, 18s.

15 Indias Phenix, 263, 30.
15 Phenberthy Crofts, 30 West Lisburne, 183 do 75 L.X.L., 3s, 6d.
15 Penberthy Crofts, 40 Wheal Jane, 31s, 2s, 6d.
16 Recommended for immediate purchase—Parys, Prince of Wales, New Trumpet, Corporation of 8 suth Australian Copper Mines, and Columbian Hydraulic.

December Circular ready after 1st prox.

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DRAINING MINES, WATER SUPPLY OF TOWNS, IRRIGATION, SUPPLYING DOCKS, PUMPING SEWAGE, and GENERAL PUMPING PURPOSES.

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HATHORN, DAVEY, and Co. have Patterns of "Differential" Engines of all sizes, from 5 to 500-horse power, and have facilities for supplying very powerful Engines and Pumps at a short notice. See Illustrated Advertisement every alternate week.

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M R. A L F R E D T H O M A S, MINING AGENT, AND STOCK AND SHARE DEALER, 10, COLEMAN STREET, LUNDON, E.C.

MINING INVESTMENTS.—Third Edition, just published.
"What to Select, and What to Avoid," by ALPRED THOMAS, 10, Colemanstreet, London, E.C. Will be forwarded on receipt of 12 stamps.

ESTABLISHED 1852.

HENRY GOULD SHARP, STOCK AND SHARE BROKER, 21, THREADNEEDLE STREET, LONDON, E.C. Bankers—London and County Bank, Lombard-street, London, E.C.

FERDINAND R. KIRK, STOCKBROKER,
5, BIRCHIN-LANE, LONDON, E.C.
Fortnightly Accounts opened in all Stock Exchange Securities on receipt of the usual cover.

BANKERS: LONDON AND WESTMINSTER, Lothbury.

BANKRES: LONDON AND WESTMINSTER, Lothbury.

CRANVILLE SHARP, STOCK AND SHARE DEALER,
32, QUEEN VICTORIA STREET, LONDON, E.C.,
Recommends the purchase of shares in SOUND TIN MINES.
In consequence of the generally improved and improving condition of Trade and Commerce, assisted by the continued reduction of the stocks of Tin, the market for that metal has been, and is still, steadily improving, with good prospects of a further 40 to 50 per cent, advance,
SHARES in all SOUND TIN MINES are certain to advance proportionately.
GRANVILLE SHARP specially recommends the purchase of shares in the EAST CHIVERTON SILVER-LEAD MINE, it being on the eve of proving a very valuable property, as evidenced by the recent important discovery in the 90 in level driving west, where is a course of rich sliver-lead ore already proved for nearly 30 fms., and has opened upin a few weeks reserve valued at £5000 to £5000 between that (90 fm.) level and the level over. A 50-ton parcel of the ore sold recently for £13 per ton. EAST CHIVERTON MINE is on the same lode which in the mine immediately west produced between the years 1863 and 1872 silver-lead ore that realised very nearly HAEF A MILLION STERLING, and between 1875 and 1830 LEAD and BLENDE ORES amounting to £110,000. These facts can be verified by the books in Mr. Granville Sharp's possession, at 32, Queen Victoria-street, E.O.

MESSRS. H. MANSELL AND CO., STOCK AND SHARE

Bankers: London and Westminster, E.C.

MESSRS. H. MANSELL AND CO., STOCK AND SHARE DEALERS, 19, BISHOPSGATE STREET WITHIN, LONDON, E.C. TWENTY-SEVEN YEARS' EXPERIENCE.

The following Shares are FOR SALE at prices affixed, unless price advances or shares are withdrawn:—

250 Herodsfoot, 5s.

80 Wheal Jane, 16s.

HEROBSFOOT.—A lower offer may be accepted for these.
FOR SPECIAL SALE, OFFERS CAN BE MADE:—

FOR SPECIAL SALE, OFFERS CAN BE MADE:—

50 Tramways Trust.

40 West Tolgus.

40 West Tolgus.

100 Michipicoten.

50 La Plata, £2 1s. 3d.
100 Michipicoten.

50 North Busy.

70 Silver Peak.

BUYERS of Grenville, Tamar, South Orebor, Carn Camborne, and Carnar
vonshire Great Consols.

80 West AN DE R. DAVIDSON

MR. ALEXANDER DAVIDSON
STOCK AND SHARE DEALER,
139, LEADENHALL STREET, LONDON, E.C.,
The following SHARES are FOR SALE at prices affixed:—
75 Devon Friendship, 10 Devon Great Consols, 110 Pen-yr-Orso'd, 17s. 17s. 9d. (£1 paid).
100 Frongoch (offer), 40 South Devon United, 90 Sortridge Con. (£1 paid), 18s. 3d.
20 Van, £8;4.

(£1 5s. paid). £1

TO SHAREHOLDERS —FOR SPECIAL SALE AT NET PRICES:—
50 BODIDRIS (£1 paid), 7s.
155 GREAT POLGOOTH UNITED, £1 paid, 10s. &d.
90 TAMAR SILVER-LEAD, £1 0s., 6d.
FOR SPEOIAL SALE, OFFERS OAN BE MADE.
50 Pioneer, 50 Pioneer, 260 Old Shepherds, 12s.
40 E. Wh. Rose, £1 paid, 40 Great Southern Mysore, £1 paid, 31 Mounts Bay, 20 North London Suburbin Apaid.
100 Gold Mining Association of Canada, 235 Indian Queeas, 125 Parka Mines, 50 Lady Ashburton.

100 Formula (£1 paid), 7s.
101 Great Southern Mysore, £1 paid, 20 South London Trams, 200 Central Wynnad, 20 Wynad District, 10 Tresuven, 240 Gold Mining Trust, 70 West Caradon.

CARN CAMBORNE TIN AND COPPER MINING COMPANY
(LIMITED).

This mine adjoins Dolcoath and South Condurrow Mines, being in fact between the two. It has not yet been sunk deep enough to strike the rich deposits of in found in the adjoining mines—being only 105 fathoms deep. It has already yielded large quantities of copper, and there is every indication that, as in Dolcoath, the copper deposits will change into tin.

The latest information from the mine announces that rich stones of tin are being met with in the 70 fm. level. This is a most important point, and may lead to the discovery of a rich deposit of tin. Carn Camborne shares can now

lead to the discovery of a rich deposit of tin. Carn Camborne shares can now be bought at par, viz., 1l. per share, fully paid, and subject to no further liability or calls of any kind.

As the mine is drained by Dolcoath, the water charges of Carn Camborne are very light, and the costs of working the mine are less, perhaps, than any other mine in Cornwall, whilst its prospects of turning out rich are second to none in the country.

mine in Cornwall, whilst its prospects of turning out rich are second to hole in the county.

Investors desirous of making an investment in a most promising mine, yielding tin and copper in fair quantities, with prospects of early and valuable discoveries, cannot do wrong in buying Carn Camborne shares at £1. In our opinion, there is no progressive tin mine in Cornwall so certain of a great and lasting future as Carn Camborne. Intending investors will do well to send us their orders early, to secure shares at par.

Further particulars, if required, on application to ENDEAN and Co., Stock and Share Dealers, \$5, Gracechurch-street, London, E.C.

Established 1861,

Rankers: London and Westminster, Lothbury.

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R. JOHN L. M. FRASER
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CONSULTING MINING ENGINEER, &.
GREENFIELDS, WREXHAM.

COMING GREAT ADVANCE IN METALS.

BONA FIDE INVESTMENT.
THE BRITISH SILVER-LEAD MINING COMPANY (LIMITED).

THE BRITISH SILVER-LEAD MINING COMPANY (LIMITED).

Prospectuses, with full reports from independent qualified experts, on apply cation at London and Westminster Bank, Lothbury; North and South Wales Bank, Blaenau, Festiniog; Garrick's House, Adelphi, Strand; 8 A, Rumford court, Liverpool; and at the Company's Office, 59, Hope-street, Wrexham.

N.B.—Copy of Articles of Association, with contract, for One Shilling

Registration of New Companies.

The following joint-stock companies have been duly registered:-

The following joint-stock companies have been duly registered:—
THE LANZI COMPANY (Limited).—Capital 60,000l., in shares of 1l. To purchase or otherwise acquire lands, mines, and mineral properties, together with all rights and interests in Italy, or elsewhere, and to work, explore, develope and maintain same, and carry on the business of raising, mining and selling lead and other ores, metals and minerals in all branches. The subscribers (who take 200 share each) are—W. Smith, Westbourne-terrace North, Bart.; A. Ricardo, 11, Angel-court, broker; J. Pickering, 21, New Bridge-street, railway contractor; J. McMillan, Temple, barrister; Headley, 7, Ostwood-road, Baron; J. D. Massey, Forest Hill, C.E.; C. Guinness, 27, Warwick-road, no occupation. The first directors are—Lord Headley, Sir W. Smith, Messrs. Pickering, McMillan and Massey, the number not to exceed 7 or be less than 3. The qualification 200l. in the share capital of the company.

not to exceed 7 or be less than 3. The qualification 200l. in the share capital of the company.

The North Pool Mining Company (Limited).—Capital 50,000l., in shares of 2l. The working of lead, copper, zinc and other mines and minerals, and the raising, dressing and selling of lead, copper, zinc, and other ores and minerals. To acquire hold and work mineral properties in England and Wales, and particularly the North Pool Mine, situate at Illogan, Cornwall, with the mills, stamps, ore houses, buildings, works, &c., according to the terms of an agreement made between W. Bowden, J. Nicholls, and W. C. Wickett, of the one part, and the company of the other. The subscribers (who take one share each) are—J. Nicholls, Camborne, mining agent; J. C. Rutty, Forest Gate, stock broker; J. Adams, Redruth, supervisor of Inland Revenue; J. Martin, 35, Enfield-road, no occupation; W. Adams, 85, Gracechurch-street, accountant; S. C. Rutty, 8, Hungerford-road, clerk; T. D. Leaver, 57, Lincoln's Inn-fields, solicitor. The following are the first directors—Messrs. Nicholls, Wickett, Rutty, and Leaver. Each director is to receive a remuneration of 50l, per annum.

50l. per annum.

LEINSTER CAB COMPANY (Limited).—Capital 10,000l., in shares

LEINSTER CAB COMPANY (Limited).—Capital 10,000l., in shares of 1l. To carry on the business of a hackney carriage proprietor, cab owner, and livery stable keeper. The subscribers (who take one share each) are—W. H. Brind, Blackheath; G. W. Puget, Brighton; P. Shaw, Salisbury Club; H. Fulton, Vigo-street; A. Leaver, Beckenham; E. Newland, 44, Lansdown-road; R. J. E. Parr, Vigo-street. LADY RASHLEIGH CONSOLS (Limited).—Capital 20,000l., in shares of 1l. To adopt and carry into effect an agreement made between R. Symons of the first part, G. K. North of the second, and this company of the third. To acquire, by purchase or otherwise, any lands, mines, lodes or veins of ore, machinery, plant and buildings, for the purpose of carrying on mining operations in all branches, and to deal in, sell and dispose of ore and minerals generally. The subscribers (who take one share each) are—C. H. Robinson, 295, Amhurst-road, merchant; A. Fowler, 62, Harley-street, gentleman; G. K. North, Ealing, accountant; J. Parker, 110, Cannon-street, contractor; J. J. Allbrook, 25, Blenheim-crescent, clerk; T. Armstrong, Clapham, C.E.; B. R. Gotch, 87, Queen-street, stationer. The subcaribors will nominate and select the first directors. Qualification Clapham, C.E.; B. R. Gotch, 87, Queen-street, stationer. scribers will nominate and select the first directors. Q Qualification 100 shares.

100 shares.

THE LONDON AND ESSEX BRICK COMPANY (Limited).—Capital 40,000*l*., in shares of 5*l*. To carry on the business of brickmakers, tile and terracotta makers, cement, limestone, lime and brick merchants. The subscribers (who take one share each) are—J. B. French, 38, Hop Exchange; H. G. Ashurst, 9, Fenchurch-street; H. W. Dent, 8, Talgarth-road; H. W. Pinder, 14, St. Helen's-place; H. W. Siddons, Stratford; A. W. Fletcher, Faversham; H. Saunders, 53, Cannon-street.

FOLLOWS AND BATE (Limited).—Capital 20,000*l*., in shares of

FOLLOWS AND BATE (Limited) .- Capital 20,0001., in shares of Follows and Bate (Limited).—Capital 20,000l., in shares of 10l. To acquire and work a miscellaneous machinery manufacturing business, situated at Dutton-street, Manchester; also an engineering business, and manufacturers, workers and dealers in all kinds of metals. The subscribers are—W. K. Marples, Sheffield, 30; C. Haynes, Dudley, 10; W. Sankey, Colebrookdale, 15; G. Follows, Cheetham, 5; E. Hyatt, Castle Donnington, 30; A. Goater, Nottingham, 25; F. W. Follows, Cheetham, 300.

The Explosives Company (Limited).—Capital 150,000l., in shares of 5l. To acquire and continue an established business at Stowmarket, Penrhyndeudraeth, and Pembrey. The subscribers (who take one share each) are—C. J. Fox, 121, Bishopsgate-street Within; N. D. Garrett, Putney; R. Groom, Wellington; H. H. Heath, 39, Great Tower-street; D. Johnson, Chester; A. H. Boyle, Junior United Service Club; E. Spon, Pembrey.

take one share each) are—C.J. Fox, 121, Bishopsgate-street Within; N. D. Garrett, Putney; R. Groom, Wellington; H. H. Heath, 39, Great Tower-street; D. Johnson, Chester; A. H. Boyle, Junior United Service Club; E. Spon, Pembrey.

The Contract Company (Limited).—Capital 25,000l., in shares of 25l. To undertake and negociate contracts for works of every description. The subscribers (who take one share each) are—E. Stutchberry, Bristol; G. Lund, 1, Queen Victoria-street; M. H. Anachmer, Roseneath; A. Leather, East. Dulwich; E. Henry, Fenchurch-avenue; W. T. Taylor, 31, Minford Gardens; H. H. Roche, 37, Queen Victoria-street.

The Gidlow Iron and Coal Company (Limited).—Capital 100,000l., in shares of 10l. To adopt and carry out an agreement made between T. Gidlow of the one part, and W. A. Cook for the company, and to acquire by purchase or otherwise the land, works, buildings, collieries, coal mine, rolling stock, premises and machinery, now occupied by T. Gidlow, at Ince, near Wigan, Lancashire, and tearry on the trade of ironmasters, colliery proprietors, coke manufacturers, miners, smelters, engineers, steel converters, and iron founders in all their respective branches. The subscribers (who take one share each) are—M. Fowler, Manchester, fender and shovel manufacturer; W. Rothera, Hollinwood, machinists; C. W. Fraser, Redditch, engineer; W. A. Cook, Manchester, iron merchant; J. A. Cook, Manchester, coal proprietor; M. H. Griffiths, Manchester, merchant; H. H. Grierson, Manchester, engineer.

The Huelva Hotel Company (Limited).—Capital 55,000l., in shares of 10l. To acquire certain property in Spain and carry on an hotelkeeper's business, or let, or otherwise dispose of same. The subscribers (who take one share each) are—N. Brown, 24, Canonbury Park, North; J. Ross, 37, Great Coram-street; H. R. Armstrong, Monkstown; C. R. Matheson, Hampstead; G. C. Brown, Hampstead; T. W. Watts, Wimbledon; J. Rawdon, Leytonstone.

The Matacong and manufacturers. The subscribers (who take five shares each) are—J. P. McArthur,

GREAT SOUTHERN MYSORE GOLD .- The company have received Davies: "Great Southern Mysore Gold.—The company have received telegram, through Messrs. John Taylor and Sons from Mr. Bell Davies: "Great Southern Mysore property on run best Colar and Mysore lodes." It is stated that the reports from the Colar and Mysore mines are most setisfactory, which promises well for the Great Southern Mysore Company. A detailed report is expected in due course.

due course,

HOLLOWAY'S PILLS,—There is nothing in the whole "Materia Medica'
which can surpass these medicaments for the certainty of their action in lumbago, sciatica, tie doloreux, and all flying or settled pains in the nerves, muscles,
and sinews. Diseases of this nature originate in bad blood and depraved'
humours, and until these are corrected there can be no permanent cure. The
ordinary remedies only afford temporary relief, and in the end the sufferer is
as bad as ever. Holloway's ointment penetrates the human system as salt
penetrates meat, and the pills greatly assist and accelerate its operation, by
clearing away all obstructions, and giving tone to the system generally. The
prophylactic virtues of Holloway's remedies stand unrivalled.

EXPLOSIVES COMPANY (LIMITED). THE

The SUBSCRIPTION will be OPENED on THURSDAY, the 24th instant, and CLOSED for LONDON on WEDNESDAY, the 30th instant, at Four o'clock p.m., and for the COUNTRY on the following day at the same hour, after which the Directors will immediately proceed to allotment, and make an early application to the Stock Exchange for a settlement.

Explosives Company

Capital £150,000, in 30,000 Shares of £5 each.

Of which 10,000 Shares are reserved to be allotted to the vendors, and 20,000 are now offered for subscription. Payable £1 on application; £2 on allotment; and £2 two months after allotment.

In all cases where no allotment is made the money paid on application will be returned immediately and in full. The business will be transferred to the company upon allotment as a going concern, without any intermediately and in full. The business will be transferred to the company upon allotment as a going concern, without any intermediately and in full. The business will be transferred to the company upon allotment as a going concern, without any intermediately and in full. The business will be transferred to the company upon allotment as a going concern, without any intermediately and in full. The business will be transferred to the company upon allotment as a going concern, without any intermediately and in full. The business will be transferred to the company upon allotment as a going concern, without any intermediately and in full. The business will be transferred to the company upon allotment as a going concern, without any intermediately and in full. The business will be transferred to the company upon allotment as a going concern, without any intermediately and in full. The business will be transferred to the company upon allotment as a going concern, without any intermediately and in full. The business will be transferred to the company upon allotment as a going concern, without any intermediately and in full. The business will be transferred to the company upon allotment as a going concern, without any intermediately and in full.

Sir THOMAS SELBY TANCRED, Bart. (Hemans, Falkiner, and Tancred), Contractor for Public Works, 2, Westminster

Chambers, S.W.

Colonel A. H. BOGLE, R.H.A., Commanding Royal Artillery, Dublin.

*C. J. FOX, Esq., New City Chambers, Bishopsgate Street Within.

*Captain N. D. GARRETT, Royal Artillery, Director, London and Staffordshire Fire Office.

C. F. GRIPPER, Esq. Gripper and Bayliss, Railway Contractors), 5, Victoria Street, Westminster.

RICHARD GROOM, Esq., Dothill Park, Wellington, Salop.

*H. H. HEATH, Esq., J.P., Upper Norwood, Surrey.

*DAVID JOHNSON, Esq., F.C.S., Barrelwell House, Chester.

* Directors of the Stowmarket Explosives Company (Limited).

BANKERS—Messrs. SMITH PAYNE, AND SMITHS, Lombard Street.

Messrs. OAKES, BEVAN, AND CO., Stowmarket.

Messrs. WILKINS AND CO., Llanelly.

BROKERS—Messrs. R. B. SMITH AND CO., 5, Angel Court, Throgmorton Street, E.C.

SECRETARY—Mr. A. WRIGHT.

OFFICE—121, BISHOPSGATE STREET WITHIN.

WORKS-STOWMARKET, SUFFOLK; PEMBREY, SOUTH WALES; and PENRHYNDEUDRAETH, NORTH WALES.

ABRIDGED PROSPECTUS.

A B R I D G E D P

It is well known that the profits made by Nobel's Explosives Company in the manufacture and sale of dynamite have been enormous. The Judicial Committee of the Privy Council dismissed the application for the prolongation of Nobel's Patent, and referred to the commercial success of the company in the following words:—

"The British Dynamite Company Company (Limited) was formed in June, 1871, with a capital of £24,000, in 2400 share of £10 each, and 900 shares, nominally representing £9000, were allotted to M, Nobel as the purchase-money of his patent rights; the total amount of the capital subscribed by shareholders was the remaining £15,000.

"The sum of £15,000 subscribed by the company had now expanded into the enormous capital of £232,978, exclusive of the goodwill, which was valued at £120,000.

"The company also possessed a reserve fund of £50,748."

Up to this time the manufacture of dynamite in this country has been a monopoly. On the expiration of Nobel's patent it was at once determined by the Stowmarket Explosives Company to add the manufacture of dynamite, lithofracteur, and other nitro-glycerine compounds, to that of gun-cotton, for which manufacture the works at Stowmarket (the only works in the kingdom besides those of the Government) have obtained a world-wide reputation.

The Stowmarket Explosives Company possesses the right, subject to a small royalty, to manufacture a new, safe, and greatly improved dynamite, which right is included in the purchase.

It has been stated that the Panama Canal alone will take 4000 tons annually during the eight years of its construction, which is estimated to be about one-half the make of the entire world.

In addition to the general work at the laboratory, a staff of chemists have, for some time past, been giving exclusive attention

In addition to the general work at the laboratory, a staff of chemists have, for some time past, been giving exclusive attention to the perfecting of gun-cotton for military and sporting purposes,

and so satisfactory have been the results, that large returns are expected from this additional branch of the business. This new powder is perfectly regular in the grain, hard and compact, and is thoroughly waterproof, while in firing there is little noise, no smoke, scarcely any recoil, good penetration and pattern.

The Stowmarket Explosives Company are the vendors and the promoters of this company, and pay all the expenses connected with the formation of this company up to and inclusive of allotment. They have fixed the price of their freehold premises at Stowmarket, and plant therein, floating magazine on the Orwell, works at Penrhyndeudraeth, lease of works at Pembrey, with dynamite, detonator, and fuse plant, tramways, locomotive, &c., complete, lease of docks, workmen's cottages, inventions, rights, and goodwill at £180,000—viz., £70,000 in cash and £50,000 in fully paid shares of the company, the rules of the Stock Exchange requiring that two-thirds of the share capital of a company applying for a quotation shall be offered for public subscription.

The completion of the Pembrey works will enable the company to increase their present capacity of manufacture from 400 to 1000 tons of explosives per annum, yielding a net drofit of not less than £30 per ton, which is below the rate per ton at present realised by the Stowmarket Company.

The only contract entered into is between the Stowmarket Explosives Company (Limited), of the one part, and A. Wright, trustee for and on behalf of the Explosives Company (Limited), of the

for and on behalf of the Explosives Company (Limited), of the other part, dated the 11th day of November, 1881, a copy of which, and also of the Memorandum and Articles of Association, can be

YEOLAND CONSOLS (LIMITED).

The LIST of APPLICATIONS for SHARES will be CLOSED for LONDON on SATURDAY, December 3, and for the COUNTRY on MONDAY, December 5, 1881. 10,000 SHARES HAVE BEEN ALREADY APPLIED FOR.

EXTRACTS FROM REPORTS.

Capt. JOSIAH THOMAS, of Dolcoath Mine:—"I think the prospects for opening up a productive and profitable mine are very

Capt. RICHARDS, of Hingston Down Consols:—"I have no doubt whatever that when this lode alone, being of such large size and productiveness, shall have been fairly laid open, that at a very moderate calculation a minimum profit of at least £1000 per month will be realised."

month will be realised."

Capt. JOHN GOLDSWORTHY, of Tavistock, remarks:—"The level (the main adit on Great lode), I learn, will be extended on the course of the lode, and will give a height of 50 fathoms, and from present appearance of the lode in the adit end, and the lode in the eastern ends, from Yeoland engine shaft, will open up a great and lasting property on this lode alone."

Capt. EDDY, formerly agent of Yeoland Consols, states:—"I think there is no mine sett in the two counties that can be worked with less risks and with more certainty of success."

Capt. PHILLIPS, of the Walkham United Mines, says:—"I consider that capital and energy will, in a very quick time, develope

a very great and profitable mine.

YEOLAND CONSOLS, LIMITED.

CAPITAL £60,000, IN 60,000 SHARES OF £1 EACH.

Deposit on application 2s. 6d. per share; on allotment 5s. per share, and 5s. per share two months after allotment. Calls not to exceed 5s. per share, at intervals of not less than three months.

H. W. RIPLEY, Esq., Director of the General Life and Fire Assurance Company.
THOS. SAUNDERS, Esq., J.P., Chairman of Port Nigel Lead Company.
JOHN BENNETT, Esq., Director of West of England Iron Ore Company.
HENRY WORSELDINE, Esq., one of the Vendors, will join the Board after allotment. BANKERS—DEVON AND CORNWALL BANK, Tavistock; or their London Agents.
Messrs. BARCLAY, BEVAN, TRITTON, AND CO., Lombard Street, E.C.
SOLICITORS—Messrs. B. W. and V. POWYS, 1, Lincoln's Inn Fields. AUDITORS-Messrs. FOREMAN, SON, AND CO., 32, Gresham Street, London, E.C.

SECRETARY-Mr. JAMES J. LOWICK. REGISTERED OFFICES-No. 19, CHANGE ALLEY, CORNHILL, LONDON, E.C.

These mines are situated at Roborough Down, midway between Tavistock and Plymouth, on the main turnpike road, and the South Devon and Tavistock Railway runs through the sett.

Operations are now being carried on spiritedly on the course of the great tin lode at the deep adit level in the newly-acquired lower lands, and already good discoveries of tin have been made. See Agent's Reports in the Mining Journal for the last two months.

There are six tin lodes, four of which are of great strength.

There are six tin lodes, four of which are of great strength, and which have been already opened and proven, one to the depth of 60 fathoms. They all improve in strength and richness as depth is

attained, and remain almost entire for making immediate returns.

There is a deep adit obtained in the lands acquired from Sir

Francis Drake, which will afford drainage without pumping to a depth of about 50 fathoms. This level has been rudely driven, intersecting the lode in its underlie in many places, and giving backs to the extent of 40 fathoms. The vendors, at considerable expense, have widened and opened it up to 5 ft. by 8 ft. for 70 fms., as the main adit outlet for drainage and mineral.

The purchase money to be paid by the company for the property as it now stands is fixed at £30,000, of which £20,000 will be taken in fully paid-up shares.

The vendors have agreed that the above-named £20,000 in shares shall not in effect carry a right to participate until a dividend at the rate of 10 per cent. upon the paid-up capital shall have been paid to the other shareholders.

to the other shareholders.

The only contracts entered into for or on behalf of the company are an agreement dated the 6th day of October, 1881, and made between Henry Worseldine, Samuel Richards, and Joel Manley, the vendors, of the one part, and C. E. Kay and James Joseph Lowick of the other part, and an agreement dated the 23rd of November, 1881, and made between the company of the first part, C. E. Kay and James Joseph Lowick of the second part, and the vendors of the third part, and these contracts, together with the Memorandum and Articles of Association, can be seen at the offices of the company.

All applications for prospectuses and shares must be made to the company's bankers, solicitors, auditors, or secretary. In case of no allotment being made the deposit will be returned in full.

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The Stock Exchange Committee require all Companies likely to be dealt in on the Stock Exchange to be at least ONCE advertised.

A SOUND AND LUCRATIVE INVESTMENT.

This SHARE LIST will CLOSE next THURSDAY at FOUR O'CLOCK. All who are interested in extending the demand for Tin (Shareholders in Tin producing mines, and others) are invited to inspect an important Invention which is introduced by the

Duplex Tever Capsule Company, Limited.

The Invention consists in making Stoppers, Capsules, Lids and Covers for Bottles, Jars, and similar articles, out of Tinplate by patent Machinery. They are lined with cork, and so ingeniously contrived as to be air-tight, and although firmly fixed upon the bottles or jars are yet instantaneously removeable (without any cork-screw or other separate instrument) and replaceable at pleasure. They can be made as large as desired, and are a great improvement upon, and can be supplied at LESS THAN HALF the cost of the well known Stoppers with the India-rubber cushion acted upon by the central lever, which it may be stated was also patented by the same Inventor. A large number of the Trade having approved of the articles, the demand for them will, no doubt, be enormous.

THE

DUPLEX LEVER CAPSULE COMPANY

(LIMITED).

Duly Registered with Limited Liability under the Companies Acts, 1862 to 1880.

CAPITAL £50,000, IN 25,000 SHARES OF £2 EACH.

PAYABLE-10s. per Share upon application, and 10s. per Share upon Allotment. Further payments only as may be required.

DIRECTORS.

ALEXANDER FOWLER, Esq., Cessnock Villa, Bridge of Allan, N.B., and Harley Street, Cavendish Square, W. JOHN PETHERICK, Esq., F.R.G.S. (late H.M. Consul for the Soudan), 54, Lancaster Road, Westbourne Park, W. WILLIAM ARTHUR, Esq., 140, Holland Road, Kensington, W.

(With power to add).

BANKERS.

THE ALLIANCE BANK (Limited), Bartholomew Lane, London, E.C.

Solicitor.

ALEXANDER KERLY, Esq., 14, Great Winchester Street, London, E.C.

AUDITORS.

Messrs. T. S. EVANS and CO., 5 and 6, Bucklersbury, E.C.

SECRETARY.

Mr. WILLIAM GORBUTT.

OFFICES-5, COPTHALL BUILDINGS, LONDON, E.C.

This company is likely to be greatly successful, and the profits and dividends very large. This Stopper, Cover, Lid, or Capsule is unquestionably the best and cheapest invented, and as above mentioned, the demand for such articles is well known to be of enormous extent.

The sales of the valuable foreign patents which belong to this company will, it is expected, alone return more than the whole of the capital to the Shareholders, hence Shareholders now joining would hold their Shares ALTOGETHER FREE OF COST.

The patent machinery for turning out about 250,000 weekly is already on its way from New York. The manufactory for the United Kingdom will be in London.

The only contract is one dated September 22, 1881, between Mr. Nathan Thompson, C.E., and Mr. William Gorbutt, on behalf of the company.

CLOSE OF SHARE LIST.

As the Directors reserve the right to issue a portion of the Shares at a PREMIUM, applications for a limited number of Shares at PAR must be sent in at once. This LIST will CLOSE on THURSDAY NEXT at Four o'clock.

Prospectuses and Forms of Application for Shares can be had at the Bankers, the Alliance Bank, Bartholomew Lane, London; through the principal Stockbrokers; or at the Offices, 5, Copthall Buildings, Throgmorton Street, E.C., where samples, reports, &c., can be seen.

By order,

WILLIAM GORBUTT, Secretary.

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Original Correspondence.

EUREKA (NEVADA) MINING DISTRICT.

SIR.-1 have the pleasure to forward you my usual budget of news

SIR,—I have the pleasure to forward you my usual budget of news received from this mining centre:—
The foreman of the Eureka Tunnel, Maurice Hartnett, was down last night on business. He reparts continued improvement both in the winze and the drift. There is marked improvement in the winze. The windlass has been at work about two days bringing up the rich black metal. The ore seems to gather strength and richness as it goes down. Lumber is being delivered for an ore house, and other improvements needed for the comfort of the men.

If the Eureka Tunnel bonanza continues to improve for a few weeks longer nothing can prevent a boom in Eureka next season, Prospect Mountain mines will be in great demand by capitalists. There can be no question about this. They have been unsaleable in the past simply because no one knew that there were rich bonanzas in the depths. This fact once demonstrated, as is being done by the Eureka Tunnel, and men of means will be willing to invest their coin in favourable prospects on the same mountain.

y the Eureka Tunnel, and men of means will be willing to invest their coin in woursible prospects on the same mountain.

Word came down from the Eureka Tunnel yesterday to the effect that the new manza is still improving.

Quite a force of men are grading on the new railroad in Egan canyon.

The Robinson bond of the El Dorado No. 2 mine has been assigned to the ureka Tunnel Company, and filed for record with the County Recorder.

A large amount of heavy timbers are at Pallsade awaiting transportation to the ureka Consolidated and Geddes and Bertrand new works.

Ruby Hill.

RUBY HILL.

NEW GREAT WHEAL VOR.

SIR,—Your Helston correspondent, who has been silent for the last week or two, sends us the following remarks on the adverse criticisms of "Miner," who, in the Journal of Nov. 12, wrote:—"I would advise the agent, being a stranger, to call in some bargain buyers to sample the tin stuff; the slabs of tin will be found to turn into white iron. I have seen a plenty of white iron from this lode, which has been reported at high figures to be tin. There is other lodes (siv) in the sett, which produce less white iron." Your correspondent knows as little of English grammar as he does of tin stuff and of white iron, and while he seeks to disparage this particular property he succeeds only in covering himself with ridicule. I did not make haste to reply to his delusions, and, as I expected, independent parties have done that for me most effectually. I allude to Mr. Orchard's letter, which appeared in your latest issue. Mr. Orchard affirms—and, indeed, we have all heard it substantially before—that "many samples of the lode have been assayed by prominent assayers, "many samples of the lode have been assayed by prominent assayers, and the tin is pronounced by them to be of the first quality and very free from iron." Against this we have only "Miner's" unsupported ipse dixit, but it is remarkable that his pretentious disparagement does not rest on any assay whatever. His is an idle, worthless statement, begotten of jealousy and ill will. The wish is felter to the thempt and your correspondent states, not what is father to the thought, and your correspondent states, not what is true, but what he would like to be true.

On the other hand there is no doubt that the directors are well

On the other hand there is no doubt that the directors are well advised, and base their assurances of the value of the lode on competent authority. I hear in this neighbourhood that they have appointed an agent in whom there is the fullest confidence to report specially on the point that "Miner" has raised, and it strikes me they ought to be greatly obliged to "Miner" for giving them the opportunity of doing so. I suspect "Miner" is a Helston man, and is displeased because this great discovery has been made by strangers, instead of local men. But why should he seek to depreciate the property on that account?

I can add another testimony in favour of the tinny character of the lode, and it is one which it will be difficult for "Miner" to gainsay. Let him accept the challenge, or say no more about his "white iron." A well experienced man, passing through the district one day last week, determined to test the matter for himself. He took

iron." A well experienced man, passing through the district one day last week, determined to test the matter for himself. He took up some pieces of stuff just as they came to surface—there was no selection here—and took them to Dolcoath to be assayed. I suppose "Miner" believes in the men of Dolcoath to be assayed. I suppose "Miner" believes in the men of Dolcoath. What was the result? The proportion of tin was 8 cwts, to the ton. Is it likely that will be found to turn to white iron? If any confirmation of this is required, let the fineredulous address themselves to—

Halton Non-25.

R. J. CUNNACH. Helston, Nov. 25. [[For remainder of Original Correspondence see this day's Supplement.]

FOREIGN MINES.

ST. JOHN DEL REY.—The directors have received the following telegram from Morro Veiho, dated Rio de Janeiro, Nov. 22: Produce twelve days, first division of November, 11,750 oits., value 4552f.; yield 56 oits, per ton. Prolit for the month of October, 2900.—The directors have resolved to recommend a dividend of 5 per cent, for the half-year at the meeting to be held on Dec. 21. ISABELLE (Gold and Silver).—Extract of letter from Mr. Lewis Chalmers, dated Nov. 2. Part of the Isabelle Company's agitators have arrived, and I expect the balance here to-day, and Mr. Stewart, one of the patentees, by to-night's stage to set them up.

tage to set them up.
RUBY AND DUNDERBERG CONSOLIDATED.—Report on the mines for RUBY AND DUNDERBERG CONSOLIDATED.—Report on the mines for the week ended Oct. 31: Dunderberg: Tae No. 7 ore body below the 700 ft. level continues from 2 to 4 ft. wide, and is now making up at a point 50 ft. west of the 700. I do not think this orebody has any connection with anything heretore discovered in the mines, as it is of a different character, carrying a high percentage of lead, and poor in gold and silver, and is further west than any of the upper workings. The north drift from No. 2 chamber, 30 ft, below the 600, has been advanced 32 ft. during the week. The ore at this place is about 2 ft. wide in the bottom of the drift, a winze will be commenced at this point in a few days. There is quite an improvement in the No. 6 ore body below the 600; it has increased in size from a few inches of low grade stuff to 3 ft. of good ore in the last few days. The north drift from the bottom of No. 6 winze has been advanced 15 ft. during the week; total, 39 ft. from the upraise; the last 10 ft. of the drift is in good ore in the roof from 2 to 4 ft. wide. Have shipped 39 tons of one this week, and have 31 men and 12 tributers at work.—Bullwhacker: The north stopes above the 325 are looking well, and producing all the ore being shipped from the mine at present. Have shipped 50 tons this week, and have

and the mine at present. Have suppose 2: The week's run from the 10 men at work.

— Copy of telegram received from Eureka, Nov. 22: The week's run from the furnace was \$7000 from 201 tons of ore; producing 27 tons of bullion. The ship

— Copy of telegram received from Eureka, Nov. 22: The week's run from the furnace was \$7000 from 204 tons of ore; producing 27 tons of bullion. The ship ments of the week were 191 tons.

EUREKA (NEVADA) SILVER.—Report on the mines for the week ended Oct. 31: Bald Eagle: The north drift from the west cross-cut, 150 ft. level, continues in favourable looking ground, containing low grade ore, with occasional pieces of good ore; progress this week, 19 ft.; total, 67 ft. from the west cross-cut. The south drift from the east cross-cut is in favourable ground for drifting; troogress this week, 23 ft.; total, 120 ft. from the east cross-cut. The main incline is now repaired and timbered to a point 127 ft. below the 150.—Williams-burg: The ore stopes between the first and second levels are producing about the usual amount of ore. Have about 10 tons ready for shipment.

RICHMOND CONSOLIDATED.—Cablegram received from the mineat Eureka, Nevala, Nov. 22: "Week's run, \$49,000, from 970 tons of ore. Refinery, \$40,000."

— R. Rickard, Nov. 1: I beg to hand you a report of the different operations for the past week. The north drift from Lizette Tunnel cross-cut has been advanced 9 ft. in hard Himestone. The 200 south has been drifted 14 ft.; the ground is more favourable for progress. The 200, west from shaft, has been extended 9 ft. in favourable ground. The 300 north has been advanced 14 ft. without any material change. The 400, north from No. 11 chamber, has been extended 9 ft. in favourable ground. The winze sinking below the 600 north, in No. 14 chute, has been sunk a total depth of 35 ft.; the ore taken from this was all of fair grad. On each site of the winze the ore is of low grade. From the bottom of the winze a drift has been run a distance of 20 ft., at which point a cave has just been encondered measuring 25 ft. long, 12 ft. wide, and 18 ft. high, with ore all over the lottom. No explorations have been made yet to ascertain the dimensions of the winze the ore be sit for been made yet to ascertain the dimensions of of 158 ft., all the distance in quartitle. There is nothing new to report in any other part of the mine. All the machinery, both in the mine and smelting works, is in good working order.

BIRDSEYE.—J. S. Goodwin, Oct. 29: The cost-sheet and statements for the months of August and September were mailed on the 25th. As you will see by

works, it in good working order,

BIRDSEYE.—J. S. Goodwin, Oct. 29: The cost-sheet and statements for the
months of August and September were mailed on the 25th. As you will see by
the certificates our clean-up at Red Dog fell a trifle short of \$18,000; one-half
of this was cleaned from the bed rock. Could we have run the water ten days
longer, as I expected to have done, we might have realised nearly, if not quite,
\$5000 more from our bed rock cleaning. As the water was turned off on Sept. 2,
the left us with the best of our rock unstriped, all of which will come in during
the washing of the coming season. I would have been pleased to have remitted
the \$1300 that I now have on hand, but as we have the Red Dog Ditch to enlarge, and repairs on the other ditches, blasting the cuts, and putting in flume
at the Red Dog, together with the running of the tunnels at the Uncle Sam and
Waleupa claims, and many other minor expenses necessary to fitting up. I in
mint geason free from debt. I also took into consideration the possibility of being
cujoined upon our commencing washing. I am not of the opinion that the sults
now pending will be taken from the Courts and a settlement reached, so the
mining industry may not receive serious injury. There has already been mone
cuough expended in law to have checked the flow of tailings, which can be
done only by dams. The prospect tunnel at Waloupa is now in 409 ft. We are
jessing over what seems to be the channel. The bed rock commenced to pitch
some 40 ft, back. Next week I shall sink to bed rock to ascertain if it is be
claunel proper. The drain tunnel at the Mallory is near to the old works; a
few days more will take us through. I am now putting up cheap hoisting
wo ke at the old incline for the purpose of prospecting the Mallory ground. I
am confident that we shall find good pay gravel here, and more than good in
the Uncle Sam. Prospecting still goes on at the Hayward mine with the best
sterillone.

of results. Their mill is completed, and will commence crushing as soon as their shaft is down. I have removed the pipe from the Waloupa claim; it is now in working order at Uncle Sam. This claim, I think will after the first months' run pay quite well. With an average supply for the coming season, I see no reason why we cannot remit monthly. Our expenses will be less, and I shall have everything about the mines in better order than ever before; therefore we may expect good returns.

PIERRIFITTE,—Nov. 19: The manager reports as follows:—There is no change in the ground in the adit level in the south mine. The men engaged stoping down a piece of lode to form the shaft have completed it sufficiently to admit a tolerably straight shaft. They are now engaged stoping another part of the lode, which yields good lead ore. In the cross-cut south of No. 2 level, in the north mine, it affords me the greatest pleasure to inform you that we are again successful in making an important discovery of lead ore, the extent and value of which I am unable to give at present. The ore is blue lead, with but little, if any, melangey associated with it. I am not at present certain, but according to present appearances it is likely to be the best discovery we have yet made at any point in this level. We have 5 fms. more to drive to intersect the bottom or No. 1 winze, smak below the No. 1 level. The bottom of the whize has to be deepened a few feet to form the bottom of the cross-cut to be driven from thence to meet the other cross-cut. The communication will thoroughly ventilate the workings in this part of the mine, and will enable us to commence driving seven endsat once close toeach other on the ore courses. This speaks for itself. The ground in No. 3 level is somewhat harder, and the lode does not appear to be a sufficient distance from the silde yet to settle. It yields in the present end lead ores, but not in large quantities. The cutting of the tramway rout for this level progresses as it has for some time past.

LAST CHANCE (S

opposite cross-cut from shaft, and in stopes between 800 and 7007 ft. levels. Ore improving in quality as it is being further developed at both points. Twenty stamps running.

TAUNUS,—Report by Capt. W. Hollow, dated Nov. 18 and 21: I have moved the men from the 40 metre (25 fm.) level west, and put them to make a rise from the 12 metre (7 fm.) level below the adit to the 7 metre level above the adit east. This will go up in the lode the whole distance and will undoubtedly pay least. This will go up in the lode the whole distance and will undoubtedly pay also put them to make a rise from the 12 metre level ast is producing good stones of lead, very encouraging. The men have secured the new eastern shaft. I havy also put them to make a rise No. 2 in the back of the 12 metre level east. I purpose placing three men to open on the lode in the west winze in the back of the 40 metre level, and also to drive the 7 metre level by three men. The new eastern shaft is through to surface and secured throughout. This completes the ventilation perfectly, and provides the means for drawing stuff to surface from the further driving of the 40 and 12 metre levels east.

DON PEDRO.—Mine Captain's report, dated Oct. 25: Drainage: Very little progress in forking has been effected since I last wrote, owing to the difficulty of getting firewood, everybody's animals about the neighbourhood being weak, and not able to carry more than half a load, there being no pasturage, and since the rain has settled in new grass very watery and wood very wet, which although much better attendance of carriers great trouble is experienced to burn the wood, and it does not do half duty. The water at present moment being level with distern of jack head it has been forked to top pin holes of windbore of drop-lift, and risen again to bonnet of Jack head and re-dorked to eitern; in fact no progress at all, only throwing away good money after bad.—Addt Level: Six sets put Injeight sets of laths changed, and other repairs made.—Explorations: We have met with

Next mail I will endeavour to send a sected high to locality, when the tonnage treated and results obtained therefrom will be handed you.

Ony of telegram dated Rio, Nov. 22: Produce cleaned up (first division November), 500 oits.

SANTA BARBARA (Gold).—Mr. W. H. Richards, Parl, Oct. 14: During September 1391 tons of mineral were stamped, yielding a a produce of 4215 oits, of gold, or equivalent to an average of 3 '203 oits, per ton of stone stamped. This produce of 4216 oits, of gold, valued at 8s. 6d. per oit., amounts to 1791. 16s., and the estimated working cost for the month, at exchange 23d., being 1805. 2s., leaves an estimated profit of 1892. 14s for September. In addition to the above mine working cost, the sum of 6082. 13s. 4d. was estimated as expended on capital account during August, in respect of the construction of the new waterscourse and new hauling machinery, and building of new houses. The mine is opening out fairly, with strong indications of a good future in the matter of production—not rich at the present depth, but comparatively regular, while the output appears to maintain about its average value as per various samples taken at different points throughout the month. The quantity of stone raised during the month amounted to 1720 tons, of which 334 tons were rejected at the spalling floors as refuse stone, and 1391 tons treated at the stamping mills, leaving 33 tons unstamped at the end of the month. The average quantity of stone raised per borre for the month amounted to 585 wagon loads, and the number of holes bored per man for the month 58.

SENTEIN.—M. Scantlebury, Nov. 15: No. 5 End: After driving through a bar of schist 3 to 4 metres in thickness we have again met with gossan, which is quite unexpected, as we fully thought to be in hard ground by this time. I am pleased to say that the lode is of a most promising character, composed of gossan, flookan, capel, and producing good stones of lead, and shows indications of further improvement. Set to four men for the sum of 40 francs per

mine. Should the line weather continue until the end of the month, we shall send 1000 tons or more of crude ore to dressing-floors.

ENGLISH-AUSTRALIAN GOLD.—Mr. Mark Pollard, Fryerstown, Oct. 10: 350 ft. Level: We have not driven the end during the past fortnight, as we have been stoping the back of the level making room for the mullock, as we had no place to stow the mullock; from this level the quartz is not so thick in the drive, quartz on the lode in the back of the drive 3 ft. thick, very good looking stone; I have not seen any gold in stoping the stone, 230 ft. Level: We have driven the end north from rise 3 ft. in the past fortnight, following up the water with two small leaders, one in the back and the other in the bottom of the driven the end north from rise 8ft. in the past fortnight, following up the water with two small leaders, one in the back and the other in the bottom of the drive; hard sandstone country. I think I shall remove the men from here to put up a rise on the lode at the same level, as there is no quartz to work in the side as yet.—140-ft. Level: We have driven south II ft. in the past fortnight, quartz intersected with slate and sandstone bars and very poor. I have removed two of the men who were in the 150 ft. level to drive north from this rise at this level; stone 3 ft. thick, driven 6 ft. in the past week. I have not seen any gold in breaking it.—190 ft. Level: We have extended this drive east 8 feet in the past fortnight through hard slate country, with a good stream of water coming through the ground. I think there is every indication of quartz at the back of this somewhere, if so, and payable, it will be the making of your mine, as it will be something new to us from what we have seen.—150 ft. Level: This level has been driven 18 ft. in the past fortnight, also put up a rise to the stopes above, with a little quartz in the drive. I have only two men in this now. I have put two from here in the stopes above, with a little quartz in the drive. I have only two men in this now. I have put two from here in the stopes above the same all through your mine. I see a little gold in places; 530 tons of stone have been passed through the battery since we last cleaned up.—Western Shaft: The quartz is very small in the south drive on the wall, with leaders making from the east out to the lode, but very poor. In the north drive the quartz is 8 in, thick, and I see a little gold in places; 530 tons of stone have been passed through the lode, but very poor. In the north drive the quartz is 8 in, thick, and I see a little gold in places; 500 tons on the surface to crush after we next clean up.

little gold in oreasing it. 1 have about the past four weeks ending the 15th next clean up.

KAPANGA.—J. Thomas, Oct. 8: During the past four weeks ending the 15th inst. the 70 cross-cut was driven east 31 it., at 3l. per foot, the length driven being now 67 fb. As the end advances towards the lode the ground become daily harder and more difficult for making progress, in consequence of the stone composing the hanging-wall being a hard crystalline elvan, laying in beds dipping towards the end; the general formation is much broken with angular joints of various shapes, which often cause the dynamite to blow into the crevices, instead of throwing a reasonable burden of rock, and sometimes fail to do but very

little duty. The stone is free and good for boring, but very tough and dead for tearing; had it not been for the powerful dynamite this cross-cat could not be as any belt of elvan in the 50 cross-cut, therefore expected to meet it again in this level, which proves the continuous character of the hanging-wall as seen through on the mine. I estimate we shall have to drive 73 ft, more to reach the lode, at the mine. I estimate we shall have to drive 73 ft, more to reach the lode, and the mine of the continuous character of the hanging-wall as seen through 146 ft, where it intersected Scotty's lode on the 26th ult. I am very pleased to say the first stones of quartz broken out of the lode contained exceedingly rich veins and blotches of coarse strong gold, samples of the same I post by this mail. I sunal, to the hanging-wall; the lode along the same I post by this mail, it is under the lode of the same I post by this mail, it is under the hanging-wall; the lode along the same I post by this mail, it is under the hanging-wall; the lode along the same I post by this mail, it is under the lode of the same I post by this mail, it is under the hanging-wall; the lode along the same I post by this mail, it is under the hanging-wall; the lode along the same I post by this mail, it is under the lode was called the another of the same I post by the same and the gold-bearing branch; the lode is composed of a very concerned the same I post the same and the gold-bearing branch; the lode was call, and hope it will be completed in two or three days, when driving will had to be laid down, that the wagons may be fitted in the ends, and discharged at surface without handing; the above work has been in hand since the lode was call, and hope it will be completed in two or three days, when driving will had to be laid down, that the wagons may be fitted in the ends, and discharged the same in the post of the same and the lode was call, and hope it will be completed in two or three days, when driving will race as it is broken to him, and

that are output could no doubt be some 100 tons a day. I am preparing samples to send you of stuff you have not had yet, and I am sure the board will be pleased with them. Our expectations as stated by me when at home are greatly exceeded by later discoveries. Nothing like our ore has been seen before in this district.

In the country of the country

is nearly all on, and the main building complete with the exception of the sides. We have been greatly delayed in getting out the foundations for the last two columns, having cut a good deal of water, and our cement having been of bad quality has taken a long time time to set. I have ordered some Madras hydraulic cement for the foundation of the stamper blocks.—Permanent Way: The laying of the permanent way to the reduction works is still in hand, and will occupy some little time yet; however, by the time the new rails arrive everything will be in readiness to have them put down quickly, as ballasting and sleepering will then be completen. The road through the forest from the saw-mill is being extended. Ground has been excavated for a timber depot, and various other jobs have been completed. The road to the reduction works is now in very good order after the recent repairs. A water race 70 ft. above the present one is to be commenced to-morrow.—Mining: On Bungalow Hill since last report a tunnel has been started on a promising outcrop of quartz about 3½ ft. wide, having apparently an easterly bearing, and underlaying towards the north. Some stone from same on being washed gave a good show of gold.—Plantation Tunnel: The quartz referred to in last report appears to be a part of the reef, as large stream of water is being let out further ahead. The ground is much easier, and will require timbering. The shaft going down through the old workings has been sunk to the depth of the base of tunnel, and we have begun driving by the side of the reef in whole ground. The distances driven and sunk for the fortnight ending 15th linst, are:—Swamp tunnel driven, 4 ft. 4 in.; Plantation thank the driven, 3 fn.; Plantation tunnel driven, 2 fms. 61th; Forest tunnel driven, 1 fm. 1 ft. 9 in.; Glenrosa tunnel driven, 2 fms. 4 ft.; Forest tunnel driven, a time is and sinking trial shaft. In No. 3 tunnel the lode is looking well. In the shaft the lode appears to be very large, as it is not yet uthrough. We are working by night in th

CAMBRIAN MINING **COMPANY**

(LIMITED).

The following further communication has been forwarded to Cambrian Shareholders:—

33, Victoria-street, London, S.W.,

November 21, 1881.

When I addressed you for the first time, November 10, I intended it to be also the last; and I am only induced to alter my intention by the many, very many, courteous and confiding letters I have received from Shareholders, asking me to explain how they are to protect themselves from the consequences of the recent action of our common (very common) enemy.

On the 18th inst. another Meeting of Shareholders was held, attended by about a dozen persons, at which the absurd and mischievous resolution to wind up the company was confirmed. Of course I did not condescend to attend this Meeting, and therefore did not lodge the proxies in my favour, so kindly forwarded to me without solicitation.

From the proceedings at this Meeting it might appear to a mind unacquainted with the peculiarities of Shareholders that the constituency of the CAMBRIAN COMPANY must contain more than the average proportion of fools; but it must be remembered there are so many kinds of fools amongst upwards of 900 Share-

There are fools, pure and simple-rather scarce. Then there are the fools who endeavour to hide their imbecility by always finding fault with others-more numerous. Again there are fools who wish to cloak their own ignorance by abusing what they don't understand. These fools are always abundant. But the most dangerous fool of all is the plotting and designing fool, who evidently was intended by nature for the lowest form of labour, and whose mind is incapable of education, but having acquired by some means-stolen most probably-a certain low cunning prefers the comparative ease of dishonest agitation. One such fool is sufficient to ruin a company.

This, however, is not an essay on fools, but unless we make allowance for such factors recent doings are inexplicable in-

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Now for a few words concerning the many Shareholders to whose feelings the recent proceedings have been most repugnant, but whose helplessness or want of energy has prevented them taking active steps to oppose them. What are they to do? Simply to suffer? No! Be mine the task to help them, and, as before stated, I am urged to this course by the kindly feelings expressed towards me by so many, with whom truth and justice are more potent than falsehood and slander.

The 161st Section of the "Companies Acts," 25th and 26th VICTORIA, cap. 89, provides as follows:-Where any company is in course of being wound up voluntarily any Member of such company who expresses his dissent from such in writing, addressed to the Liquidator, at the offices of the company, not later than seven days after the date of the Confirmatory Meeting, may require the Liquidator to do one of the following things: To abstain from carrying such Resolution into effect, or to purchase the interest held by such dissentient Member at a price to be determined either by agreement or arbitration.

Now, all who wish to obtain a fair price for their Cambrian Shares must immediately on receipt of this sign before a witness the enclosed form of dissent, and return it to me by next post, and I will present it at the proper place. Promptitude is most necessary.

Yours, ever truly,

JOSEPH FELL.

P.S.-All those Shareholders present and voting at the recent Meetings for the purposes of carrying the resolutions to wind up cannot of course take advantage of the section of the Acr I now point out, They must suffer for their credulity.

Mining Correspondence.

BRITISH MINES.

BRITISH MINES.

ALSTON UNITED.—C. Irving, Nov. 24: The lode is improving as we proceed with our driving in the eastern and western levels, and both ends are still in good ore. We have a solid rib of ore 5 in. thick, and in some places more. We have proved it 8 fms., and better than 8 ft. high the ore is. I have discovered another north and south lode 18 fms. before us, and at the junction with our east and west lode we are driving on we have every reason to expect a body of ore. This north and south lode is one of the lodes running through Roderhopfell Mine, where it proved a productive ore bearing lode up to our boundary.

ASSHETON.—J. Garland, Nov. 23: We have been making good progress in driving the 40 west; this week, however, we are not doing so well, owing to the air suddenly becoming bad. The lode is still disordered. In the 70 west also we are going forward with fair speed; there is a little change in the lode, the underlie is a little more vertical, and it contains a small leader of blende, and spots of lead ore; this end, like that of the 40, is perfectly dry. We are driving west through an arch of ground from the top of Milford's rise in the back of the 60 west, and find paying ground so far without interruption. The low tribute pitches continue to look well in the 60, west of Hunt's cross-cut, and the main course of lead ore has lengthened east this month. We are getting on well with another parcel of lead ore.

BELL VEAN.—R. Thompson, Nov. 22: Sinking in Gobbin's shaft has been suspended for three days, on account of the wind bore getting broken; new one will come to-morrow. Lode still keeping good and producing good work. The 20 west is improving, although not so fast as I should wish. The lode in the 20 east is very large and good throughout for tinstone. In Mitchell's deep adit I have started men to open out past Bell's shaft.—Stamping-engine and machinery: We have started with foundations of walls for dressing meahinery. These now up 4 ft., and also walls for blacksmith's shop.

BLAEN CAELAN UN

some time past. In the 42 cast the lode is poor, and the 30 cast end is worth 32, per fathom.

BWLCH UNITED.—Wm. Northey, Nov. 23: In the 50 cast I have placed the end men to strip out the north side on some branches of the lode, which produces strong patches of lead ore, and shall be able to give you a better opinion as to its continuency in a day or two. In the 12 cast no change has taken place since my last report, as the men have chiefly been employed in removing their staff. The rise in back of the same level west is gradually improving, the lode producing a strong mixture of lead ore, and I have every reason to believe that it will further improve as we advance in height. The stope in back of the same level well yield about 10 cwts. of lead ore per fathom. I have placed two men to repair old stull in the back of the 40, and to clear the stuff west of Ritchie's shaft to give a free passage to the water so as to avoid extra pumpling. The tribute pitch in back of the 13, west of Ritchie's shaft, is producing good lead ore, and the men are making fair wages.—Marvin's Lode: In the 15 cast the iode is about 3 ft. wide, carrying branches of lead ore intermixed with kills and quartz, and of a most promising character for an early improvement. The stope in back of the same level west is worth from 12 to 14 cwts. of lead ore per fathom. In the cross-cut south at the adit to the said lode the men are making fair progress, and we are continually meeting with branches and feeders of lead ore, and are daily expecting to out the lode. We have been for the past week making necessary repairs to our drawing-wheel, and hope to have it completed at an early date. I am pleased to say that our dressing is pushed on with all vigour, having an ample supply of water for all purposes. The machinery throughout the mine is all in good order, and working well.

CALLINGTON CONSOLS.—T. Gregory, Nov. 23: There is no change to report on this week. All is working well, and they are a cast is going forward with all a speed.

CARNORNBORNE.—

off this week. An is working wen, and the control west, which we have reachly commenced driving, we are meeting with some rich tinstone. The size of the lode is not yet ascertained, but we are opening it out, and I trust it may lead to a valuable deposit of tin. It is quite in the central part of our sett, which will add materially to the importance of the discovery should it prove valuable.

size of the lode is not yet ascertained. But we are opening it out, and I trust it may lead to a valuable deposit of tin. It is quite in the central part of our sett, which will add materially to the importance of the discovery should it prove valuable.

CAINARVON COPPER.—W. Darby, Nov. 22: In the 90 end during the week we cut the large slide, which has let down the water from the \$5 and flooded the small pumps in the new shaft, making it impossible for the last four days to draw the orestuff through it. We are making every effort with the drawing engine and pumps to clear the water, which we trust to be able to accomplish by to-morrow. The slide is opening, and we expect in about 2 fms. more driving to get under the bunch of ore in the \$6 east. We have taken four men from the eastern stope to sink a winze in the 30 att. We have taken four men from the eastern stope to sink a winze in the 30 through on the eastern bunch of ore. The western stope has improved, and is at present worth 5 tons of ore per fathom. In the rise in the 90 the lode continues much the same value; worth 1½ ton per fathom. The new cross-cut at the 70 (Garnon's) continues to look very kindly, and letting out a little water, with a leader of ore; worth 12 cwts, fathom. The cross-cout at the 46 (Cac-y-Groes) is still in very hard ground, and without change.

COED-Y-FEDW AND PANT-Y-BUARTH.—R. Prince, Nov. 24: Coed-y-Fedw: The 80 has a very promising appearance, and looks as if we were close to a run of ore.—Pant-y-Buarth: In the 107, driving west, the lode has commenced to open out as expected, and we are finding nice cubes of lead in the ground near the forebreast, and the whole character of the vein is satisfactory. I am looking forward with great interest to the extension of this level and the cutting of Rowland's cross-course, as at the point of intersection we expect to make a good discovery. The tributers at work on this part of the mine have raised very rich ore. Allogether I consider the prespects are in every respect very good.

CRAIGN

ends on north and west cross-cost through seven. Now, 22: Since has been divided by the property of the proper

the roof of the No. 5, which will take about two months, or a little more, to get through with. The stope on the hanging side of the lock at the No. 5 is locked away, there is no doubt that four men will be able to raise several tone of lead from here in a month. We have had a slight insiferium with the crashet third operations for a week, but we hope to be able to each up this before the end of the period of the control o

lode, the lode is 2 ft. wide, worth 12 cwts, of leau ore per harmon. It is good supply of water, and our dressing is kept fully going on low class orestuff, principally blende.

DENBIGHSHIRE CONSOLIDATED.—R. Prince, Nov. 24: The forebreast of the lode out of the 112 north cross-cut shows very well. We are urging on this point as fast as possible, so as to effect a communication with the level driven towards it from the western part of the mine, when we shall be able to operate on the ore-ground proved in the bottom of the level, where I look for good results. The stopes for lead ore continue to yield the same quantities as for some time past. A communication has now been effected between the 65 and 112 main lode, which will be of great importance in the future. We start now with a full force of men to drive a cross-cut from the 112 west, to get under the oreground that turned out so well in the 66. You are aware that we were obliged to leave off here, not on account of the lead failing, but from insufficient ventilation. This cross-cut will come underneath all the 65 downkings, and enable used to leave off here, not on account of the lead failing, but from insufficient ventilation. This cross-cut will come underneath all the 65 downkings, and enable used to leave off here, not on account of the lead failing, but from insufficient ventilation. This cross-cut will come underneath all the 65 downkings, and enable used to be seen the No. 6 are looking very encouraging. The lode is of great width, containing lead throughout, the stope over the back of the end being especially.

PERESBY MOUNTAIN.—J. Roberts, W. Sandoe, Nov. 23: The stopes and the rise at the No. 6 are looking very encouraging. The lode is of great width, containing lead throughout, the stope over the back of the end being especially down to the fathoun. The cross-cut from the great stope to intersect this part of the lode where we began to sink, in bottom of the 102, is worth 32. Per lode is getting into leady ground. This week we passed through a ni

Section 1. The control of the contro

In the 108 driving north the lode is about 3 ft. wide, and containing a small quantity of blende. The end is letting out more water than usual, indicating a change of some kind. The rise and stope in the roof of the 25 has fallen off in the dit continues to produce fair stuff for blande.

GOBBETT TIN.—J. Browning, Nov. 22: I am glad to say that the ground in the adit end is more favourable for exploring, and there is a larger quantity of water isaning from the sides and forebreast this week, which I take to be indicating that we are near a strong lode.

GODDARD'S LEAD.—R. H. Vivian, Nov. 24: The mine continues to open out well. We are of opinion that the parallel lode referred to last week will be used to be indicating that we are near a strong lode.

GODDARD'S LEAD.—R. H. Vivian, Nov. 24: The mine continues to open out well. We are of opinion that the parallel lode referred to last week will be a good mine discovered, sinking, and I believe in a very lew fathoms there will be a good mine discovered. Sinking, and I believe in a very lew fathoms there will be a good mine discovered the same value as last week. On the whole the mine has never looked so well before.

LADY ASHBURTON.—James Willcooks, Nov. 24: Since last reported the 30 has been driven west of engine-shaft 11 fms. The lode has much improved in the last 9 ft. driving, being own fully 3 in. wide, composed of arsenical and sulphur mundic containing on well y3 in. wide, composed of arsenical and sulphur mundic containing the total driving west of single-shaft 11 fms. The lode has much improved in the last 9 ft. driving, being containing the total driving west of single-shaft 11 fms. The lode has much improved in the last 9 ft. driving, being containing the total driving west of single-shaft 11 fms. The lode has much improved in the last 9 ft. driving, being containing the total driving west of single-shaft 11 fms. The lode has much improved in the last 9 ft. driving, being containing the total driven west of single-shaft 11 fms. The lode has much improv would, at any rate, greatly facilitate our sinking on the lode, which would then be advisable.

LADY ASHBURTON.—James Willcooks, Nov. 24: Since last reported the 30 has been driven west of engine-shaft 3 furs., making the total drivage west of engine-shaft 11 fms. The lode has much improved in the last 9 ft. driving, being now fully 13 in. wide, composed of arsenical and sulphur mundic containing silver and copper, and it is my opinion that when this level is advanced 8 fms. further west we shall be in the run of the silver-lead gone down in the bottom of the level above, and judging from the present appearance of the lode we may reasonably expect to see a great change for the latter very soon. The eastern level is driven east of shaft 7 fms.; the lode at present is small, but very kindly. Here I expect a change almost ever > day, as the branches are fast uniting. Our engine and pitwork all in good working order.

LADY BERTHA.—Thomas Neill, Nov. 22: In the 40, east of new shaft, we have cleared to the cross-course; at this point the level is run together, and the men are engaged putting in new timber to get through the run. No. 1 stope, in back of the 40, east of the engine-shaft, is still looking well. I have set a stope in bottom of the 40 to four men for two months, to break mundic, tram and fill their own stuff, at 5s, per ton. The lode in the 30, east of the new shaft, is 6 ft. wide, composed of capel, spar, mundic, and copper ore, altogether a fine looking lode, and a good improvement may soon be expected. We have no other change to notice.

to the fathom. The stopes above the 42, west section, including the full width of the tode, yields 15 cwts. of ore to the fathom. The east section stopes are variable in yield. A stope near Low shaft 42 yields 10 cwts. of ore to the fathom.—Brandom Walls: We are now engaged with the water below the bulk of the old workings, and, if all goes well, in about a week I hope to have the mine diractic to the bottom of the shaft. We were 30 fms. deep yesterday, but having per fathom. We have driven 7 fms. through a good lode, and have about \$5 fms. more to drive to communicate with the workings in the old mine, the lode letting out a little water. The winze sinking below the adit, just behind the 10 end, is down 2 fms., and producing saving work for tim. In the 13e sax we have relevant to the communicate with the workings in the old mine, the lode inting out a little water. The winze sinking below the adit, just behind the 10 end, is down 2 fms., and producing saving work for tim. In the 13e sax we have relevant to the communicate with the workings in the old mine, the lode on \$1.50 the mine of the producing and the producing and the producing of the producing producing part of the mine.

The producing of the producing of the producing part of the long on which we produce the producing part of the producing of the producing part of the producing part of the producing of the producing part of the producing of the producing part of the lode on which we are now sinking shows a good dead and producing part of the lode on which we are now sinking shows a good dead of limes part and a little bende, but not to value. At the present rate of sinking, another is weeks will be pr

couraging.

PENNANT.—Nov. 24: I am glad to inform you that the 40 east is being extended in a splendid looking lode, yielding stones of carbonate, thickly spotted with lead ore. You must remember that this level is being extended in whole ground, and there is every appearance of our opening up a large and productive mine in this direction. The sulphate stopes are turning out large quantities, mixed with lead ore all through the ground. Our alterations on the floors are now complete, and the transway from the top of the shaft has been placed in thorough order, and everything on surface is progressing in a highly satisfactory manner.

mixed with lead ore all through the ground. Our alterations on the floors are now complete, and the tramway from the top of the shaft has been placed in thorough order, and everything on surface is progressing in a highly satisfactory manner.

PENHALLS.—S. Bennetts, R. Harris, Nov. 19: The lode in the 30 west is producing some low quality tinstaff but not to value. Both the 30 and 60 cross-cut north are without any fresh discovery. The 70 cast is poor. In the 60 west end the south lode is small, yet containing some little tinstaff. The 55 east is worth \$5. per fathom. The rise in the back of the 45 west is worth from \$6. to 71. per fathom, and the 42 west on the north lode is worth 101. per fathom.

PEN-TR-ORSEDD.—E. Bellis, R. Prince, Nov. 24: Our operations are proceeding in a very satisfactory manner, and we hope at your approaching meeting to be able to hand you a good report.

PHONEER.—Nov. 23: Bessie's Shaft: The lode in the sump is not good as last reported, having naturoved, but it still holds its same character, though not carrying so many large rocks of ore. The leadstuff or booze has become smaller but is superior in quality, and in a few yards more sinking the lode will doubted in prove again and be as rich as ever. The north level is now driven 20 yards as fast as possible to need as rich as ever. The north level is now driven 20 yards as fast as possible to rule as rich as least reported. We are pushinghtis ahead as fast as spossible to rule as rich as least reported. We are pushinghtis ahead as fast as spossible to rule as rich as least reported. We are pushinghtis ahead as fast as possible to rule as rich as least reported. We are pushinghtis ahead as fast as possible to rule as rich as least reported. We are pushinghtis ahead as fast as possible to rule as rich as ever richer than our present one.

Pennender of the level in very rich ground, but a present we can get quite as much as of other level in very rich ground, but a present we can get quite as much as of the rule and progress to the rul

the lode to the east of the cross-

course of spar in this cross-cut, and as there is mineral going away north on the western side of the cross-course we are still driving north, as I think it likely the lode to the east of the cross-course will be found farther north. There is nothing new in the western adit in the caunter lode.

PRINCE OF WALES.—S. Roberts, G. Rowe, Nov. 11: We are 'getting on favourably with the cross-cut at the 102, which is jatill letting out much water. The cutting of the tip-plat at this level will be completed by the end of this week. In the 90 end cast, we have been driving by the side of the lode, which when last taken down was 3 ft. wide, worth 3t, per fathom for copper. Stope in No. 1 rise in back of this level, no change since last week. Stope in No. 2 rise, the men are clearing the stuff, in order to take down the lode, which we think will turn out we'll for tin. In the 90 end west we are driving by the side of the lode, consequantly no change to report since our last.—Goodluck; stope in back of deep ad t, on great tin lode; lode 4 ft. wide, worth 12t, per fathom for hire.

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WE: Flat L 156 we cated rich ti per for are for fathon fathon value.

hire.

ROMAN GRAVELS.—Arthur Waters and Son, Nov. 24: The middle level going south from the winze below the 40 south is in a lode 4½ ft. wide, worth 3½ to 4 tons of lead ore per fathom. The lode in the 50 south is 5 to 6 ft. wide, worth 3 tons per fathom. The 65 south is in a lode 4½ ft. wide, worth 9 tons of lead ore per fathom. The winze below this level is in a lode 4½ ft. wide, worth 9 tons of lead ore per fathom. The lode in the 30 south is about 1½ ft. wide, worth 1½ ton per fathom. The 55 south is is a lode 3 to 4 ft. wide, worth 3½ tons per fathom. The south is is a lode 3 to 4 ft. wide, worth 3½ tons per fathom. The south is is a lode 3 to 4 ft. wide, worth 3½ tons per fathom. The constant is a south is a subject to the south of the south is a south is a south of the south of the south is a south is a south of the so

The stopes and other places throughout the mine are without change to notice since our report of last week.

RUSSELL UNITED.—J. Gifford, J. Bray, Nov. 24: Saturday last being our setting day, the following bargains were set:—To drive the cross-cut north, in the 97 east, at Matthew's engine-shaft, the takers to wheel and fill their own stuff, stent two months, at 10t. per facthom. To drive the 97 east of Matthew's engine-shaft, by four or more men, the latter to wheel and fill their own stuff, stent two months, at 6t. 5s. per fothom; lode, 2 ft. wide, composed of capel, quartz, and peach, but poor. To drive on the cross-course in the 55 east, by four or more men, the latter to tram and fill all the stuff, stent two months or

cut the lode, at 7t. per fathom, and to have 5t. 10s for cutting down two courses of ground, making the tram-road up to the present end. We intend to sot the course of th

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Average 12ℓ, per fathom. The lode in the 114, cast of cross-cut and to the west of shalt, is much improved, and is now worth 25ℓ, per fathom. The stope behind west of this shalt, is worth 10ℓ. Per fathom. —Percy's Shalt: The lode in the lotten of the 10ℓ per fathom. —Percy's Bank: The lode in the lotten of the 10ℓ per fathom. The rise in the beat was to this shalt, is worth 10ℓ. Per fathom. The rise in the beat stopes working at this level, each worth 10ℓ per fathom. The rise in the beat stopes working at this level, each worth 10ℓ per fathom. The lode in the 10ℓ cast is yielding good stones of tim, and is worth 10ℓ per fathom. The lode in the 10ℓ cast is yielding good stones of tim, and is worth 10ℓ per fathom. The lode in the 10ℓ cast is yielding good stones of tim, and is worth 10ℓ per fathom. The lode in the 10ℓ cast is yielding good to the lotter of the per fathom and the lotter of the lotter o

INVESTMENT NOTES.

INVESTMENT NOTES.

As was anticipated last week, the advance in the prices of both tin and copper has caused a keen demand for low priced shares. It is observed that the public are steadily coming forward; but real excitement has not yet set in, so that there is not a wonderful rise to record, although a much firmer market prevails for many shares A large business has been done in East Blue Hills shares, and on the cutting of the Pink lode a considerable improvement in price may be effected should it turn out to be of a valuable character; I repeat that these shares are a first rate speculation at present price—10s. to 12s. 51. Wheal Crebor has, I think, turned the corner. Of the worth of the mine there can be little doubt, but it is to be regretted that since the last manager was in charge there are some people who are not satisfied with the appointment of Capt. Rowe. Crebor Mine deserves a most able and reliable manager, and by all means let such a man be procured who will receive the confidence of everyone if possible. It is probable that a great future is in store for Wheal Crebor, and shares are well worth purchasing as an investment at present quotations. There has been a good enquiry for Devon Friendship shares, and at the meeting to be held on the mine to-day, and which I hope to attend, it is likely that meet important statements will be made as to the prospects of the mine. My advice is to those who have not already bought—buy at once, before the report of the meeting is made public; shares can still be obtained at par, 20s. fully paid, and at this price they are very cheap. Bratsberg shares have been supported, and bid fair to take an important bosition in the market. A rise in copper would benefit such a great property as this is most materially. It has been estimated that the reserves of ore are worth a quarter of a million skering, and vet the property is such in great property as this is most materially. It has been estimated that the reserves of ore are worth a quarter of a million skering, and

From Mr. John B. Reynolds.—" Dear money" has adversely affected the markets this week, and temporarily checked the rise in the price of tin. We have before pointed out the conclusions which should be arrived at from such a state of matters as that which now exists. It is evident that when there is great difficulty in getting employment for money the state of trade cannot be deemed satisfactory, and the most hopeful sign at the present moment is the strong dernand for gold. The public, however, understand that should the money market become very much more stringent a great fall in the price of railway and other heavy stocks must follow, which result, hard as it would be on speculators for the rise, would be full of benefit for the bona fide investor. Indiated prices such as even now exist in many instances cannot permanently benefit anybody, and the difficulty in getting profitable employment for money during the last two or three years has been full of perplexity. It is true that mining securities—as we have constantly pointed out—have ranked very low, and which class of investment being so speculative is avoided by the large majority of investors. It may, nevertheless, be very successfully argued that there is no channel so safe or so profitable for money as mines, when the securities reach the very low level we have known them to do during the last three years, and it is but scant justice to admit that during the last two years larger fortunes have been made in mines than in any other description of investment. It is not, we think, very difficult to forecast the future of the metal market. The state of trade does not admit the supposition that tin will not sustain the recent advance, but that it will fluctuate a little from time to time is of course the natural result of supply and demand day by day.

GAS SHARES.—The principal business in these shares, according to this evening's report of Messrs. W. L. Wehr and Co., of the Stock Exchange and Finch-lane, has been—Commercial, 184; Continental Union, 244; to 253; ditto, new, 15% to 171½; 7 per cent. max., 26½;: European, 19½ to 20½; Gaslight, A, 170 to 172; ditto, H. 7 per cent. maximum, 130 to 132; Hong Kong, 15; Imperial Continental, 187½ to 183½; London, 199 to 301; Monte Video, 14½ to 145%; Para, 6½; Oriental, 7½; ditto, new, 6; Rio de Janeiro, 25½ to 25; San Paulo, 14; South Metropolitan B, 173. Gas stocks firm. For closing price see list on the last page of Journal.

INSURANCE SHARES have, according to this evening's report of Messrs, W. L. Webb and Co., of the Stock Exchange and Finch-lane, been dealt in as follows:—Alliance British and Foreign, 37½ to 38½; City of London Fire, 1½; 10; Commercial Union, 2½; to 2½; Employers' Liability, 2 to 2½; Fire, 41½; Guardian, 71; Lien, 1½; to 25; Employers' Liability, 2 to 2½; Fire, 41½; Guardian, 71; Lien, 1½; to 15%; Phenix, 320½; Ocean, 13½ to 3½; Standard Fire, 1½; Rock, 8½; Universal, 8½. Insurances steady, little doing. For closing prices see list on the last page of Journal.

TRAMWAYS.—The closing prices of this evening, as quoted by Mr. W. Annort, of Tokenhouse-yard, are given in tabular form in the last page of Journal.

RALLWAY AND GENERAL MARKETS.—Referring to the course of

W. Amort, of Tokenhouse-yard, are given in tabular form in the last page of Journal.

RAILWAY AND GENERAL MARKETS.—Referring to the course of business done to-day during official hours (11 to 3) Mr. Ferdinand R. Kirk, 5, Birchin-lane, writes:—Opening: Spanish dealt in yesterday at 27½ and 28½ this morning. Nearly every speculator appears to be a "bull," and the stock held for a rise must exceed the actual amount in existence by millions. Turks are still 12%, Unified being slightly weaker. Last night in "the street," buyers offered 71½. There is something approaching to a collapse in Grand Trunk Second Preference owing to the forced closing of some accounts. Dealt in yesterday at 83, and carried over on the 14th inst. at 88; the price now is no better than 50½ to 81, Thirds being 35½ to 35½; Wheal Crebor, 22¼ to 3½; Parys Corporation, ½ to ½; Prince of Wales, % to ½.—Closing: Spanish are now 28½; Turks maintain their position, and Unified can only be bought at 71½. A further heavy fall has taken place in Grand Trunks. The Seconds are being parted with at 78½, and sellers of the Thirds have to accept 344. The First Preference have fallen nearly 4ℓ. Rio Tinto shares are again 28½ buyers. Newport Abercarn, 8½ to 8½.

TUNNELLING THE PYRENEES—FRANCE AND SPAIN.—A telegram received from Madrid this week states that the Chamber of Deputies there has passed the Bill authorising the construction of the Huesca-Canprac Railway, with a subvention of 60,000 pesetas per kilometre. The cost of the tunnel through the Pyrenees is estimated at 13,000,000 pesetas, which will be borne in equal proportions by France and Spain. The enormous resources of Spain are now being rapidly developed under the able and peaceful administration of King Alfonso, which has necessitated the formation of a bank called the English Bank of Spain (Limited), and privileged by the Government to issue its own notes, the shares in which are now about to be allotted, and judging from its extraordinary advantages, and the prospects of early and large dividends, it is very doubtful whether any further shares will be issued except at a high premium. The directors have been correct in their anticipations about the rise in the Spanish Three per Cents., and have not erred in taking this stock at 30% in payment for shares. The rise within the last five or six weeks has been from 25% to 28%, and very shortly it must touch 30% or upwards, and if they are as correct in their calculations as to the profits to be derived from the development of the business of the bank, of which no doubt need be entertained there is a bright future in stere for the share. The great discoveries of lead and blende which were made before the outbreak of the France-German war in certain districts of the Pyrenees are now being developed by the application of English capital with most accessful results, and must assist to promote the prospertey of the Pyrenees are now being developed by the application of English capital with most accessful results, and must assist to promote the prospertey of the Pyrenees are now being developed by the application of English capital with most accessful results, and

still further encourage the good feeling now so freely reciprocated between the three nations. The sentein Lead and Blende Mine, near Ariage, at the base of the Pyrenees, co ne first on the list, and is now managed by Messrs. John Taylor and Son, who, have within a short time prove the mine to be one of, if not the most productive for silver-lead and zinc ores on the Continent. The monthly cutput of ore is now at the rate of from 1000 to 1200 tons, and could easily be coubled. The drassing and other machinery is on a stupendous scale and working admiraby. The Pierrefitte comes next, and when their machinery is completed good dividends will follow. The great success of the Spanish Alamillos, Lina es, and Fortuna silver-lead mines, which have returned their capital in the shape of dividends many times over, and under the same management as the 5 ntei i are a few examples of the vast mineral resources of the country.

TO THE METAL TRADE.

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SMELTING and REFINING WORKS at BERGEN POINT, near NEW YORK.

OFFICES .-- 292. PEARL STREET, NEW YORK

The Mining Market: Prices of Metals, Ores, &c

METAL MARKET-LONDON, Nov. 25, 1881.

. ALISE A	Maint -10 1001, 101. 25, 1001.
180N. & s.d. & s. d.	TIN. & s. d. & s.
Pig, 3MB, f.o.b., Clyde 2 11 0	English, ingot, f.o.b116 0 9-111 3
" Scotch, all No. 1 2 12 0	,, bars ,,111 0 0-112 0
Bars, Welsh, f.o.b. Wales 5 12 6-	refined112 0 0-113 0
in London, 6 2 6	Australian105 10 0
" Stafford., " 7 10 0	Banca 'nom
,, in Tyne or Tees 5 17 6- 6 0 0	Straits105 10 0
,, Swedish, London10 5 0-10 10 0	COPPER.
Rails Welsh, at works 5 15 0-	Tough cake and ingot, 70 0 0-71 0
Sheets, Staff., in London 8 10 0	Best selected 72 0 0- 73 0
Plates, ship, in London . 7 10 0- 7 15 0	Sheets and sheathing, 78 0 0 - 80 0
Hoops, Staff., 7 10 0- 8 0 0	Flat Bottoms 81 0 0- 83 0
Nail rods, Staff., in Lon. 6 15 0- 7 5 0	Wallaroonom, 71 10 0- 72 0
STEEL.	Burra, or P.C.C 70 10 0- 71 0
English, spring 12 0 0-18 0 0	Other brands 68 0 0
,, cast30 0 0-45 0 0	Chili bars, g.o.b 66 5 9
Swedish, keg15 0 0	
, fag. ham15 10 0	PHOSPHOR BRONZE.
LEAD.	Alloys I., II., III., and IV £120 0
English, pig, common15 50	VI. and VII 135 0
. L.B15 12 6	, XI., Spl. bearing metal 112 0
W.B15 15 0-15 17 6	BRASS.
sheet and bar 16 0 0	Wire 71/2d
pipe16 10 0	Tubes 10
red17 0 0	Sheets 9¼
white21 0 0-23 0 0	
patent shot18 0 0	Yel, met. sheath. & sheets 6%d7
Bpanish 15 0 0	Tin-Plates.* per box.
NICKEL,	Charcoal, 1st quality 1 2 0- 1 4
Metal, per cwt15 0 0-16 0 0	, 2nd quality 0 19 0- 1 0
Ore, 10 per cent. per ton.20 0 0-25 0 0	Coke, 1st quality 0 18 0- 0 19
QUICKSILVER,	,, 2nd quality 0 17 0- 0 17
Flasks, 75 lbs., war 6 10 0	Rinck per ton 15 10 0-
SPELTER.	Canada Staff on Cla 1
Bilesian	at Liverpool 12 0 9-
English, Swansea18 10 0	
Bheet zinc22 0 0- —	Black Taggers, 450 of 30 0 0
At the works, is, to is, 6d, per box	less for ordinary; 10s. per ton less for

Canada; 1X 6s. per box more than 1G quoted above, and add 6s. for each X. Terne-plates 2s. per box below tin-plates of similar brands.

Terne-plates 2s. per box below tin-plates of similar brands.

Remarks.—During the past week our markets have for the most part been somewhat irregular, and although a large business has again been carried through, yet in cases it has been done at very variable rates, and this can be attributed to two causes; first, and perhaps foremost, to the almost inevitable result of a season of extra speculation. For some little time past there has been rather more than a usual amount of speculation in our markets; we do not say without fair grounds, but yet the fact is palpable, that both speculators and investors have been freely making investments in metals, encouraged, no doubt, by the promising prospect of the trade through, in many instances, reduced stocks, more limited supplies, and increasing demand; and have also still further been goaded on to enlarge their purchases by the continued rising tendency of prices, enabling operators to buy and sell, repurchase and re-sell, at constantly improving profits. Therefore by this repeated buying mania prices have been pushed up to a somewhat remunerative figure, so that recent buyers evidently believe it prudent to realize such profits as can now be obtained, while possibly prudent to realize such profits as can now be obtained, while possibly in some cases, where prices have been materially enhanced, the bear prudent to realize such profits as can now be obtained, while possibly in some cases, where prices have been materially enhanced, the bears think it not too risky to press sales at the present time, and in this too they may not unlikely have been further induced to increase their sales by the second cause which possibly may to some extent have checked the progressive upward course of prices—viz., the sudden and perhaps rather unexpected turn which monetary affairs have again this week taken. The New York Exchange is reported lower, and if gold has to be drawn from this country in any quantity to be sent to America, the Bank rate must necessarily again advance, which could hardly fail to produce an adverse influence upon prices for the sundry metals, and more particularly in those where speculation has been allowed to assume extensive dimensions. So much business is done in metals where capital is advanced that the value of money becomes a question of no small moment; hence it is easy to understand that while the chances are towards a rise in the value of money prices for metals should take a turn towards greater ease, and especially at a time like the present when prices have for a long time past been either gradually or rapidly advancing, almost without any check whatever. Thus we have seen that dearer money would probably retard speculative business, and we pass on now to consider what influence it would doubtless bear upon the regular trade, which of the two is of far more lative business, and we pass on now to consider what influence it would doubtless bear upon the regular trade, which of the two is of far more consequence. It would at first sight seem likely to check enterprise, but this would depend upon how long the value of money was maintained at a higher rate, and in addition to this it should not be for-

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Spelter.—Large transactions have taken place on the Continent

and the demand here has also improved at advancing prices. We quote ordinary brands at 17l. 15s. to 17l. 17s. 6d., and specials at 18l. to 18l. 5s. to 181. 5s.

STEEL.—Most of the rail mills are still said to be busily engaged with orders in hand, and prices for the most part remain firm, and without any noteworthy alteration.

Tin Plates.—Rather stronger prices are being quoted, and the de

mand, perhaps, to some slight extent, may have increased, but no material improvement is visible. The stiffening tendency of prices is probably due more to the enhanced value of tin, combined also with the extra firmness in the price of iron than to any other cause.

QUICKSILVER improved in the early part of the week in sympathy with the rise in other metals, and the price was put to 6l. 10s., but is dull at the close, in consequence of the importers of Spanish having stated that the stock in London stands at 84,000 flasks, a quantity larger than was generally believed.

The MINING SHARE MARKET has been rather quiet this week, and from a pressure of sales prices have to some extent given way, especially in the heavy tin shares to which we have before referred, and in which so much speculative business has been done of late. For low-priced shares in mines with good prospects there has been a good demand, though without causing any great changes in quo-

TIN has been weaker since our last, and consequently there has been no further advance in the standards for ore in Cornwall. Tin shares have been more freely offered, and when pressed for sale conot find ready buyers. It is thought the decline in tin is only tenporary, and, in fact, it leaves off much firmer. Blue Hills, 2 to 23. porary, and, in fact, it leaves off much firmer. Blue Hills, 2 to 2½. East Blue Hills have been in demand during the week, and leave off at 10s. to 15s. Drakewalls, \(\frac{1}{6} \) to \(\frac{1}{6} \); Cook's Kitchen, \(27\frac{1}{2} \) to \(28\frac{1}{2} \); Dolcoath, 91 to 93. East Lovells have been in fair request at 3 to \(3\frac{1}{2} \). East Pool, 43 to 45; Killifreth, 30s. to 32s. 6d.; New Kitty, \(1\frac{1}{6} \) to \(1\frac{1}{2} \); Results \(1\frac{1}{2} \) \(1\

Dolcoath, 91 to 93. E.st Lovells have been in fair request at 3 to 3½. East Pool, 43 to 45; Killifreth, 30s. to 32s. 6d.; New Kitty, 1½ to 2½; Kit Hill, ½ to ½.

Polrose, 10s. to 15s.; an improvement has taken place here. South Condurrow, 11 to 12; South Crofty, 9½ to 10½; South Frances, 17 to 18; Tincroft, 19½ to 20; West Basset, 14 to 15; West Frances, 18 to 19; West Kitty, 9 to 9½; West Peevor, 14 to 15; West Phenix, 1 to 1½; Wheal Agar, 15 to 15½; Wheal Basset, 5½ to 5½; Wheal Jane, 27s. 6d. to 32s. 6d.; Wheal Jewell, 10s. to 15s.; Wheal Kitty (8t. Agnes), 15s. to 20s. Wheal Uny, 4 to 4½; call of 7s. paid. Wheal Peevor, 12 to 13; Wheal Sisters, 2 to 2½. Carn Brea, 26½ to 27½; at the meeting on Thursday the accounts showed a profit on four months' working of 2690\(lambda\), and a dividend of 10s. per share (3000\(lambda\)) was declared, leaving 110\(lambda\), in hand. The tin sold, 287½ tons, realised 17,121\(lambda\). The dividend has been somewhat disappointing, as the profit at the previous account, when tin was lower, was 522\(lambda\), more than at the present. Wheal Grenville, 12 to 13; at the meeting the accounts, referred to in our last, were passed and adopted, and a dividend of 5s. per share was declared. Goodevere, 1½ to 1½; West Godolphin, 2½ to 2½.

Copper has been firmer, and a fair business has been transacted

Godolphin, 2½ to 2½.

Godolphin, 2½ to 1½.

Godolphin, 2½ to 1½.

Godolphin, 2½ to 1½.

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Godolphin, 2½ to 2½.

Godolphin, 2½ to 1½.

Godolphin, 2½ to 1½. COPPER has been firmer, and a fair business has been transacted in low priced shares. Bedford United, 1\(\frac{3}{8}\) to 1\(\frac{3}{8}\); at the meeting, particulars of which will be found in another column, the accounts

in any other shares in the market. It is understood that the company, which has hitherto been a smelting company, intends to more fully develope its mines. Mysore, 1½ to 1½; Mysore Reef, ½ to ½; Ocregum, § to §; Rhodes Reef, ½ to ½; Santa Cruz, ½ to ½; South-East Wynaad, 1½ to 1½; South Indian Gold, 1½ to 1½; Tambracherry, ½ to 1½; Wynaad Perseverance, ¾ to 1; Colorado, 2½ to 2½; Copiapo, 2½ to 3½; Don Pedro, 5s. to 10s. At the Santa Barbara meeting the accounts for September show an estimated profit of 186½. 14s. The return of gold, 1791½. 16s.; costs, including 608½. 13s. 4d. on capital account, 1605½. 2s. English Australian, 1 to 1½; Frontino and Bolivia, 3½ to 3½; Corporation of South Australian Copper Mines, 1½ to 1½; New Quebrada, 4½ to 5; Nouveau Monde, ½ to 3; Panulcillo. 18; New Quebrada, 4½ to 5; Nouveau Monde, ½ to ½; Panulcillo, 5½ to 6; Richmond, 16 to 16½; Ruby, 4½ to 5. Kapanga, 11s. 3d. to 13s. 9d; very good news has been received from the agent. Michipicoton, $1\frac{3}{8}$ to $1\frac{5}{8}$; the west end or No. 1 lode on the Office shaft is turning out good copper, and further improvements are anticipated. Placerville, $2\frac{1}{8}$ to $2\frac{1}{8}$; good quartz has been cut in the 700, and is improving in quality. Yuba River, par to $\frac{1}{8}$ prem.; Mysore Reef,

The Market for Mine Shares on the Stock Exchange has been active as regards Indian and American shares, but British mines have been almost completely neglected, and last week's prices have not generally been maintained. The leading feature of the week is the great rise in La Plata, which has just declared its fifteenth consecutive monthly dividend at the rate of 9 per cent. per annum; but the great attraction seems to be the decision which is said to have been arrived at by the executive to give greater attention to the been arrived at by the executive to give greater attention to the vorking of their own ores; hitherto they have chiefly smelted pur-hased ores. The subject is more fully referred to in another chased ores. The subject is more fully referred to in another column. With regard to home mines, the prices of ores remain unchanged, and tin ores are not, it is said, fetching full prices, although there has been no official reduction of the standards. There are many complaints from miners that the smelters are much more

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THE MINING JOURNAL.

THE MININ

parely laid open and discoveries already made it can be seen that large returns of high quality tin may be made here on future working. Wheal Grenville, 12\frac{1}{2}\tau\$ to 12\frac{2}{3}\tau\$; at the general meeting, on Thursday, a dividend of 5s. per share was declared. The mine is reported to be opening up splendidly.

West Godolphin, 2\frac{1}{2}\tau\$ to 2\frac{2}{3}\tau\$; this mine is said to be steadily increasing in value, a fact of importance being the improvement in the lode, as anticipated by Capt. Hodge. In the 50 west the copper is wearing out and giving place to tin. It particularly pointed out that this is the pioneer level of the mine entering virgin ground, which will give from 75 to 80 fms. of backs easily communicated with by continuing the drivage of the shallower levels. Capt. Hodge, in his special report, dated Sept. 8, referring to the 50 west, said: "If we meet with a good lode here, of which we are sanguine, the mine would become valuable at once. All the machinery is in excellent order."

Richmond, 16 to 16\frac{1}{2}\tau\$; the usual telegram from the mines at Eureka, Nevada, states that the week's run was \$46,000, from 970 tons of ore. During the week the refinery produced doré bars to the value of \$40,000. The manager (Nov. 1) reports that the winze sink-

that 20 stamps are running, 10 having been the number hitherto at work.

The Last Charce Company have received telegram from their agent at Salt Lake:—"We have during last week run in tunnel No. 3 (Opulent Mine) 26 ft.; discovery of ore shows about the same. Leased Last Chance Mine 25 per cent. royalty."

Gold Hill; 1 to 14; in a letter addressed to the directors Mr. Wm. Trebear says:—"We have a couple of hands employed sinking upon the lode between Bernhardt's and Miller's shafts. We are down only about 10 ft., and have a lode 4 ft. wide; producing for the whole width very encouraging samples. It may be premature to say much about the mine as yet, bit heighly from what can be seen of the lodes at present, the auriforous nature of the ores rejected by former workers so near the surface, we cannot help thinking but that this mine will soon tell its own tale, and needs no puffling, for evidently time only is required for erecting machinery and laying open the lodes into proper stoping order to obtain good and I befleve hasting results. There is a woman who I befleve resides at Statistyttle, N.C., who for many years lived on Gold Hill, and she says she knows the spot where a rich vein was discovered near the surface in shiking fer a cillar. The party not wishing their premises to be disturbed covered it over that no one should know it. I am trying to get this woman't come here, and have offered to pay her expenses, and should the be the means of a valuable discovery I promise to give her \$100, which I think you would not object to. She promises to come next week."

Hoover Hill, \$\frac{1}{2}\$ to be a first of gold which arrived from Hoover

to pay her expenses, and should the be the means of a valuable discovery I promise to give her \$100, which I think you would not object to. She promises to come next week."

Hower Hill, \(^2\) to \(^2\) the bar of gold which arrived from Hoover Hill on Tuesday has been purchased by Messrs. Pixley and Abell for \$132\). 15s. 7d., being at the rate (after deducting charges) of \$3\). 0s. 7d. per oz. The bar weighed \$143\)\cdot ozs. of gold, a portion of the proceeds from crushing \$25\) tons of ore taken from the old dumbs. The directors have also received a telegram, dated Nov. 22: "Gallimore still looks well; drills at work on it."

Missouri, 10 to \$10\)\(^4\)\(^4\) advices received this week state that at St. Clair shaft the \$35\) north is now in promising ground. The vein is stronger, and is now worth \(^4\)\(^4\) ton per fathom. The 400 has been driven 6 ft since the commencement of November. At old engine the 270 levels north and south have been driven several feet. At Baldhill the tunnel has been driven 7 ft. during the week; pockets of ore are comflig in. The dressing of low grade ore has been resumed. Potesi, \(^4\)\(^

Rapanga, 11s. 3d. to 13s. 9d.: the reports received by mail this week are most encouraging, and will be found in another column. The operations on Scotty's lode will develope an entirely new mine. The quartz from the lode, judging from the specimens sent home, is very rich. There has been considerable inquiry for shares during the week,

the week,
Sentein, \(\frac{3}{2}\) to \(\frac{7}{2}\); it is reported that the stopes continue to yield
enormous quantities of silver-lead and zinc ores, although as yet the
mine is only partially developed. It is added that an experienced
mining engineer of many years etanding state that "the mine is a
gigantic one; it will in all probability last longer than any living
man. I have never seen its equal."

Lead Mine shares generally have been neglected, but with few exceptions there has been no quotable change in prices, and curiously
these changes have been upward. Van, 8\(\frac{1}{2}\) to 9\(\frac{1}{2}\); the only feature
to note here is that the 120 west continues to look well, being worth
2\(\frac{1}{2}\) tons per fathom for the width of the level.

The Confederate States Bondholders' Committee have issued a
circular this evening contradicting the statement that the pro-

The Confederate States Bondholders Committee have issued a circular this evening contradicting the statement that the programme of the meeting of confederate bondholders, lately held in London, was "to exercise pressure on the separate States of the South by using means to get them refused a quotation if they tried to issue a loan on the London Stock Exchange, or on the Continental Bourses." The committee are of course fully aware of the existence of the 14th Amendment of the Constitution of the United States (which was read in extense at the meeting), and that it declares the debt illegal, and forbids its recognition, and their programme is primarily this:—By steady and persovering appeals, first to the public and then to the Legislature of the United States, to bring about an opinion that the time has come the restriction should be removed, so far as it prohibits the Southern States, which composed the Confederacy, from effecting a just settlement of their debts. The committee are not aware whether there is any foundation for the rumour that "confederate property in Europe" exists, nor can they be responsible for the sensational telegrams from Now York, Philadelphi, and Washington which have recently appeared.

The Guinea Coast Gold Mining Company posted its letters of allotment and regret on Wednesday.

allotment and regret on Wednesday.

The estimated traffic receipts of the New York, Pennsylvania, and Ohio Railway Company for the first week in November amount to \$99.738, against \$101,663 for corresponding period last year, showing an estimated decrease of \$1925.

BRATSBERG.—We understand that a large number of the share-holders have already accepted their proportions of the unissued shares allotted to them, while many are desirous of having more. We are not surprised at this, and have no doubt that the number of acceptors of the allotments will be greatly increased by the 29th inst. The shares have been in good demand in the market during the week. There is no doubt this is the coming great concernanother Cape Copper Company, the shares of which (with a capital about three times that of Bratsberg) are at upwards of 40t. prem.

DEVON FRIENDSHIP.—We have made arrangements to give in next week's Journal a full account of the proceedings taking place at this mine to-day, which we anticipate will be of an interesting and important character.

ARENDAL.—Brown's shaft is looking well, producing 7 tons of copper ore per fathom, and the stopes still maintain their value. The new trial, 1250 metres east of Brown's shaft, has greatly improved, copper ore now taking the place of the iron pyrites; it is confidently expected there will soon be a good course of ore here.

CARN CAMBORNE.—Bich stones of tin are being met with in the 70 west, the driving of which has only recently been commenced. The size of the lode has not yet been ascertained. This improvement is in the central portion of the sett, and should it lead to a valuable deposit of tin will considerably enhance the value of the shares in this mine. Carn Camborne adjoins Dolcoath, the richest

mine in Cornwall, and from its position and present indications bids fair to become another of the prizes for which this district is renowned.

nowned.

[From the West Briton and Cornwall Advertiser, Thursday, Nov. 24.]

Wheal Hony and Trellawny Mines.—It will be remembered that the question of draining this undoubtedly rich silver-lead property has been extensively commented on at various times, and rumours of the impossibility of pumping out the water industriously spread by ignorant and prejudiced parties, to the detriment of the company. A complete contradiction to this will be found in the present position of the works. The water is already drained below the 55, where a second plunger lift is now fixing, and the forking since the last drop was made—a distance of over 11 fms.—was easily accomplished in eight days, the engine working a fraction over seven strokes per minute. This being in levels the whole length of this extensive run of mines; effectually silences the slanderous reports referred to by Mr. Loam on the day of the starting of the 90-in. Engine, two months ago. We may add that the inflow of water is equal only to 32 strokes per minute. The rich ends standing at the boundary of the Hony estate are being rapidly approached, and the shareholders look forward to a prosperous future in what, it is believed by many, will prove one of Cornwall's grand successes.

CAPPER PASS AND SON, BRISTOL,

ARE BUYERS OF LEAD ASHES SULPHATE OF LEAD, LEAD SLAGS, ANTIMONIAL LEAD, COPPER MATTE, TIN ASHES, &c

and DROSS or ORES containing COPPER, LEAD; AND ANTIMONY:

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MINING AND CONSULTING ENGINEERS;

2, GREAT GEORGE STREET;

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WEST COAST OF SOUTH AMERICA ROBERT HARVEY, Assoc. M. Inst. C.E.,

1QUIQUE, CHILI (Telegrams: HARVEY, Iquique).

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IMPORTANT DISCOVERY OF LEAD.
Present price, 22% to 23.

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The new engine is now delivered. OPPOSITE THE BANK. We are buyers at 15s.-sellers at 20s.

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ESTABEISHED 1877.

Mr. WILLIAM GABBOTT has business in the following—
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30 Mysore, £1 6s.
40 Mysore, £1 6s.

ay's Journal. SPECIAL BUSINESS in Gold Coast, Effuenta, Akankoo, & Guinea Coast Gold. Mr. William Gabbott, 262, Gresham House, London, E.C.

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Have Agents in the various Mining Districts of Great Britain, the Continent,
Australia, and the United States of America.
Inspections undertaken, either personally or by our Agents, and Reports or
Advice as to Working given.

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No. 88, BISHOPSCATE STREET WITHIN, E.C., has FOR SALE—
25 Devon Friendship, 25 Great Holway.
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21 In HILL shares. These are expected to advance. Buyer or seller at very close prices.

close prices.

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Notices to Correspondents.

** Much inconvenience having arisen in consequence of several of the Numbers during the past year being out of print, we recommend that the Journal should be filed on receipt; it then forms an accumulating useful work of reference.

COAL MINING PLANT—"N. N."—The working drawings of coal mining plant by Mr. J. Povey-Harper are taken from actual practice, and are 2 ft. by 1 ft. 8 in. in size. The price is 2l. 5s. without and 2l. 12s. 6d. with the designs for workmen's houses. In Great Britain the best course is to order them from a local bookseller, who will obtain it from the Mining Journal through his Loudon agent. The postage to America costs about 4s., which should be added to the remittance.

remittance.

ACTS OF PARLIAMENT—"C. A. M." (Lowbyer Manor).—You do not state what particular Act you require; it is, therefore, difficult to inform you "the likely cost of any one copy." They are published by the Queen's Printers 3d. per dozen pages net. Any local booksoller would probably obtain what you require at about 6d. per dozen pages; he would obtain them through his London agent. CARPELLA AND LOMAX—"T. S." (Hunslet Union)—We do not deal in shares, but presume you will be able to obtain those mentioned of the managers at Plymouth. No information has been received of their having been dealt in on the London market. In all progressive mines it is usually easier to buy than to sell, but sales can often be effected by applying to the secretaries or managers.

GREVALOR OF THE PROPERTY OF THE PROPERTY OF THE ADMINISTRATION OF THE PROPERTY OF THE PR

sell, but sales can often be effected by applying to the secretaries or managers.

Gottvan—"G. R." (Cornhill).—By a typographical error the name Grogwinton was substituted for Goginan, which, of course, renders the paragraph unintelligible. Your manuscript was placed in the compositor's hands precisely as received. The error was obvious, and, therefore, could do no harm, but at the same time is much regretted.

Received,—"British Miner" (Souback and Catir Alan) should address his letter to Mr. Haymen—"A Shareholder" (Don Pedro North del Rey)—"F. C. T."—
"D. F. T."—"J. J. S."—"Old Reader" (New Great Wheal Vor)—"F. G. S."
—"Shareholder" (Wheal Grenville): There must be some mistake; in the balance-sheet the sum is stated as 504. Is. 7d., and the committee's travelling expenses 254.—"F. A. O."—"R. C." (Treavean Mines): It seems rather sharp practice—"C. S. H."—"J. P."—"E. M." (Mexican Railway Stock)—"F. H."
"W. P." (Wadebridge)—"H. T."—"Observer" (Great Wheal Vor District)
The letter should have the name and address of the writer appended—"M. E."
—"A Londoner" (Hanover): Next week—"O. G."—"J. N." (La Plata).

THE MINING JOURNAL,

Railway and Commercial Gazette.

LONDON, NOVEMBER 26, 1881.

THE DURATION OF OUR IRONSTONE FIELDS. Of late years no question of a national and industrial character has received so much attention or caused greater interest than that relating to the probable duration of our coal fields. Equally important, in our opinion, is the question—as to which we are not aware any special attention has been paid by geologists or iron-masters—as to how long some of our ironstone fields are likely to last. The two indeed are insequently connected and the decline last. The two, indeed, are inseparably connected, and the decline of the one must be followed by a corresponding falling off in the other. Iron, indeed, is the great lever which has raised our country to the position it has so long enjoyed as the great manufacturing centre of the world, so that the falling off in the supplies of the raw material from which it is produced, or the fuel with which it is smelted, would be a most scrious matter as regards our manufacturing and commercial prestige. Our known stores of ironstone, large as they are believed to be, are considerably below those of other countries, where the drain mean them is triffing as compared with what tries, where the drain upon them is trifling as compared with what we make upon ours. The history of the iron trade has shown that it has always flourished most in localities where there was a plentiful a large scale, unless it can be made without coal. it has always flourished most in localities where there was a plentiful supply of fuel, and when that has been exhausted it has migrated to other more favourable districts, where the necessary smelting material was more abundant. Thus Kent and Sussex, with the addition later on of the West Riding of Yorkshire, were the largest fron-producing places in the kingdom, the fuel used being supplied by the woods and forests, the terms "wald" or "weald" being given to a tract of country lying between the Northand South Downs, and occupied by extensive forests. The ore used was that found in the Wealden rocks, and in the lower greensand of the cretaceous series, and the Romans have left undoubted proof of their having worked the Hastings sands and clays for theores of iron they contained, but these are now a scaled book to our ironmasters, but some day their value may be recognised when the present flourishing districts are these are now a scaled book to our ironmasters, but some day their value may be recognised when the present flourishing districts are things of the past. The formation known as the lower greensand derives its name from the position it occupies in the cretaceous series, and from the greenish colour of the sands, whilst some of the beds are of a yellowish cast. The formation is observable throughout the whole of the Wealden country of Kent and Sussex, upon a portion of which the Wealden country of Kent and Sussex, upon a portion of which the Wealden rocks rest, and in the course of its whole range from Cambridgeshire into Wiltshire it presents the appearance of a highly ferruginous sand, with a good deal of concretionary oxide of iron. At one place near to Devizes the ironstone has been opened out in an isolated outilier of the lower greensand 50 ft. in thickness. The lower greensand extends into Bedfordshire, where it is met with 100 ft. in thickness, and forms a considerable portion of the ground of the Isle of Wight. The denuding of the forests in Kent and Sussex, and the smelting of ironstone with coal instead of wood, led to the iron trade travelling northwards; but long after Kent and Sussex, and the smelting of ironstone with coal instead of wood, led to the iron trade travelling northwards; but long after Dud Dudley had made iron with coal at his furnaces in Staffordshire, having obtained a patent for that purpose from King James, which was to last for fourteen years. Dudley, as one of the advantages he claimed for his patent, was that it tended to the preservation of Great Britain's woods and timbers. After leaving the Weald the iron trade settled down in localities where there was plenty of coal as well as ore. The blackbands and the carbonates of the coal measures are those that were principally worked, along with some of the hematites, up to some thirty years ago, since with some of the hematites, up to some thirty years ago, since which vast tracts of ore have been found under more recent formations, and are now being most extensively used, and will be more so. But the blackbands and carbonates are not only being worked, but are being abandoned owing to their thinness. In South Staffordshire the ironstone is associated with the coal measures, the blackband 18 in in thickness, and several of the seams of coal are Staffordshire the ironstone is associated with the coal measures, the blackband 18 in. in thickness, and several of the seams of coal are roofed with iron ore, and greatly enhances the value of the beds. Yet in 1855 Staffordshire and Shropshire produced 2,865,000 tons of ore, and in 1880 only 2,046,000 tons. This plainly shows that the field is getting exhausted, and is unprofitable to work. In Derbyshire some twenty years ago upwards of 400,000 tons of stone were raised. Yet last year not one-half of that quantity was raised. The same is also the case as regards the West Riding of Yorkshire, where the ore is found partly in nodules and partly in thin nodular layers in a bed of carbonaccous shale. It is intersected by leyers of the shale much thicker than the ores, which as a rule is not of a greater thickness than $2\frac{1}{2}$ in.

In the Bradford and Leeds districts the ore is worked in connec-

In the Bradford and Leeds districts the ore is worked in connection with the coal measures, and being most carefully selected produces a good quality of iron. The ironstone found in connection with the coal has not only been greatly drawn upon, but it has in most localities been found to be unprofitable owing to its thinness. Even in South Wales, where in the lower measures the iron is found, as at Merthyr Tydvil and Taff Vale, it is only about 5 in. in thickness, so that a good deal of stone is imported from other districts, more especially Northamptonshire; whilst what hematite is raised in Cornwall and Devon is also sent to the iron works in South Wales. In Scotland the black band ironstone is met with in the carboniferous limestone soils, and is about 16 in. in thickness, and in some localities it is found to pass into the coal measures. What is known as the uppermost band is about 16 in. thick, but is now nearly all worked out. Indeed, in all our coal mining districts but little iron ore is now being worked, owing to its thinness, inferiority in metallic iron, and cost of raising, so that it may well be left out in the question of the duration of our iron ore fields, seeing that it could not pay to work such thin beds after the coal was got out. In the Silurian and Devonian systems hematites are found, more particularly in Devonshire and Cornwall, but only to a limited extent, and are not likely to be taken into consideration in forming an estimate as to how long our largest ironstone fields will last. It is different, however, as regards the hematites of Cumberland and Lancashire, which are now

being most extensively worked. They are found in the carboniferous or mountain limestone and are most valuable, but they are somewhat limited in area, so that there would not be much difficulty in calculating how long they are likely to last at the present rate of production. It is, therefore, evident that our greatest dependence as duction. It is, therefore, evident that our greatest dependence as to the future must be placed on the fields of iron ore that have been discovered within little more than 30 years from the present time, and these consist of Cleveland, Northamptonshire, and Lincolnshire, and the new field about to be developed in the county of Rutland. As to the former, which produces nearly one-half of the ore raised in the kingdom, its life will be a tolerably long one, and will last longer than the coal in the districts contiguous to and with which it is smalled. Mr. I LOWELLAN BRULL a corn high authority on the statement of the coal in the districts contiguous to and with which it is smelted. Mr. I. LOWTHIAN BELL, a very high authority on the iron and coal trades of Cleveland and Durham, in evidence given before the Select Committee on Coal, said he had made a calculation that it would take the whole of the coal of the counties of Northum-

fore the Select Committee on Coal, said he had made a calculation that it would take the whole of the coal of the counties of Northumberland and Durham to smelt the ironstone in the Cleveland hills—that is supposing all were used for making iron.

Taking the quantity of available coal in Durham and Newcastle at seven thousand millions of tons, at which it has been estimated, we may fairly assume that the ironstone would amount to upwards of fifteen thousand millions of tons. The coal, according to the present rate of increase, would not last much more than 200 years, whilst the ironstone, at the existing rate of production, would not be finished at the end of 700 years. When the coal is exhausted there will not be much inducement for the works to be carried on where they are now. Supplies of coal, however, may be brought from a distance to take the pluce of what was previously supplied close at hand. The Northamptonshire field is a most extensive and an almost inexhaustible one, traversing, as it does, a large portion of the county, commencing on the Midland system near to Market Harborough, and proceeding on to the town of Northampton, and from there to Blisworth and Weedon, and beyond for several miles. It is also found to the east of the Midland at Thrapstone, and other places on the London and North-Western, and from there runs on to the county of Rutland. Already the ironmasters of Derbyshire Notts, and in some parts of the West Riding, receive vast quantities of stone from Northamptonshire, so that but little of the local stone is used in making iron. Lincolnshire, the most recently discovered of our ironstone fields, now supplies several of the coal districts where ironstone was formerly extensively worked, but now only on a small scale. It will be seen that the ironstone formerly worked so 'argely in most coal mining localities, for the furnaces near at hand are now not thought much of, being, as a rule, rather increases are at hand are now not thought much of, being, as a rule, rather increases. only on a small scale. It will be seen that the ironstone formerly worked so 'argely in most coal mining localities, for the furnaces near at hand are now not thought much of, being, as a rule, rather inferior in quality, and very thin, generally under 1 foot. On the other hand, the Cleveland stone is of considerable thickness, whilst in Northamptonshire, where most of the ore is raised quite close to the surface, there are two beds, the top one being 12 ft. thick, separated by 10 or 15 ft. of an ochreous substance from the lower one, which is 20 ft. thick. In Lincolnshire some of the stone is upwards of 18 ft. in thickness, and the beds traverse a large area of ground from Frodingham to Lincoln, and beyond, and a good deal of the ore is sent to Staffordshire, the West Riding of Yorkshire, and Derbyshire. It will be seen that the vast stores of ironstone now being raised in the oolitics are those that will have to be the resort of nearly all our ironmasters in the no distant future, as it is eviof nearly all our ironmasters in the no distant future, as it is evident that the stone of the coal measures is fast dying out by exhaustion and unprofitableness in working. With the increasing consumption of stone, it is a problem not easily solved as to how long our seams of it will last; but there is no doubt they will last longer than the beds of coal which are necessary for the smelting of

THE BRITISH RAILWAY INTEREST.

It is not without utility to review the railway progress of the last 15 years. In 1866 the United Kingdom had 13,854 miles in operation, the paid up capital devoted to the construction and equipment of this mileage being 481,872,184%, giving an average of 34,782%, per mile. In 1880 the corresponding length of line in operation had expanded to 17,945 miles, the paid up capital devoted to the construction and equipment of this mileage being 728,621,657%, giving an average of 40,603% per mile. It is tolerably clear from this analysis that great sums have been spent by the leading railway companies of the country in the improvement of their permanent way and works, as well as for duplications, additional sidings, and what not, during the last 15 years. There can be no doubt also, as way and works, as well as for duplications, additional sfdings, and what not, during the last 15 years. There can be no doubt also, as any one who takes the trouble to glance through the half-yearly reports of the great railway companies may soon convince himself, that a heavy expenditure has been made since 1866 for additional rolling stock. Without this additional rolling stock the large extra traffic which has been developed since 1866 could not have been accommodated. Thus, in 1866 the total traffic receipts of the railways in operation were 38,164,354\(leftarrow\), giving an average of 2754\(leftarrow\) per mile, while in 1880 the corresponding receipts had risen to 61,958,754\(leftarrow\) giving an average of 3453\(leftarrow\) per mile. It would have been thought by many persons 14 or 15 years since that the country was pretty well supplied with railways, and that there was no further room for their establishment. The figures which we have been summarising, however, scarcely ment. The figures which we have been summarising, however, scarcely support this conclusion, as the average revenue acquired per mile has certainly considerably increased since 1866. The growth of the has certainly considerably increased since 1866. The growth of the net profits realised has also kept pace satisfactorily with the expansion of capital accounts. In 1866 the net traffic receipts from passengers and goods of the railways of the United Kingdom were 19,357,6814, being a fraction over 4 per cent. per annum upon the paid up capital. In 1880 the corresponding net revenue had risen to 30,985,6944, giving an average of 4 per cent. (and a rather larger fraction than in 1866) per annum. No doubt in the last 14 years many unjustifiable projects have been submitted to Parliament, and have received the unwise approval of the Legislature. Still the general result of the last 15 years' railway legislation has certainly been fairly good, the average net return upon the capital exbeen fairly good, the average net return upon the capital ex-pended being, if anything, slightly better in 1880 than it was in 1866. so long as official returns and calculations exhibit such results as

so long as omeial returns and calculations exhibit such results as these, we shall probably not witness the abandonment of the present railway policy of Parliament, which appears to be a policy of looking indulgently upon all the railway schemes presented to it.

It is not a little remarkable to find that six-sevenths of the railway capital of the United Kingdom has been devoted to lines in England and Wales. The extent of railway in operation in England and Wales at the close of 1880 was 12,660 miles, while the paid-up capital relating to the construction and equipment of this mileage was 602,079,4704., giving an average of no less than 47,5734. per mile. But if the average cost of constructing English and Welsh railways has been high, their traffic earnings are far heavier per mile than the corresponding lines in operation in Scotland and Ireland. In the corresponding lines in operation in Scotland and Ireland. In proof of this we have only to recall the facts that 9701 miles of line in operation in England and Wales in 1866 acquired 32,274,869L, while the 12,660 miles in operation in 1880 earned 52,600,457L. Of the whole net profits of 30,985,694L acquired last year upon the railways of the United Kingdom, no less than 26,616,453L accrued upon the lines of England and Wales. It follows, notwithstanding the greater relative cost at which the English and Welsh railways have been constructed, that the return realised upon the capital devoted to them stood in 1880 at nearly 4½ per cent. per annum. Scotch railways have been constructed and equipped at a much cheaper rate than the lines of England and Wales. Thus Scotland had 2907 miles of line in operation at the close of 1880, which had absorbed for construction and equipment 92,333,212L, giving an average of for construction and equipment 92,333,212*L*, giving an average of only 31,762*L*, per mile. On the other hand, the net profits realised upon Scotoh railways in 1880 did not exceed 3,432,901*L*, or only about 3§ per cent, per annum upon the capital employed. When upon Scotch railways in 1880 did not exceed 3,432,901*l*,, or only about 33 per cent, per annum upon the capital employed. When we come to deal with Ireland, we find that that portion of our home empire had 2378 miles in operation at the close of 1880, the capital absorbed in the construction and equipment of this mileage having been 34,208,975L, or the much lower average of 14,385L per mile Notwithstanding the relative cheapness with which Irish railways have been constructed and equipped, the net profits realised upon them in 1880 did not average much more than 3½ per cent. per was at a point about 3530 yards due east from the shaft, and about annum, the net revenue for the year having been 1,236,340t. The 100 yards from some old goaf, the dip of the strata being towards

general conclusions which we may derive from these figures is that the average cost of the railways of the United Kingdom for construction and equipment has a tendency to increase year by year; that the lion's share of the profits of railway interest is realised in England and Wales, and that, notwithstanding the economy brought to bear upon the establishment of Scotch and Irish railways, they have yielded sensibly inferior pecuniary results to those obtained upon the lines of England and Wales.

THE USEFUL EFFECT OF FUEL.

THE USEFUL EFFECT OF FUEL.

One of the most important questions of the day is certainly that relating to the economising of fuel, more particularly for mechanical purposes. Attention has been paid to the subject by some of our most eminent scientists, yet what progress has been made only tends to show how much has yet to be accomplished in obtaining from coal a great deal more of the power it contains than we do at present. We have steam-engines which are generally admired for their construction and ease in working, yet the fact still remains that scarcely one-tenth of the power contained in the coal is utilised. In one direction some advance has been made, and that is as regards the superheating of steam. Some experiments made have shown that the use of superheated steam effects an economy of 10 per cent, in the coal, and of 12 per cent, in the steam, and in some of these it was shown that the saving could have been considerably increased had it not been for the loss of heat between the boiler and the engine. Some of the pumping-engines in Cornwall show an increased amount of duty over what was the case some few years since, and on one occasion the duty performed by an engine was 125,000,000 lbs. raised 1 ft. high per bushel of coal. One pound of pure coal yields in combining with oxygen in combustion theoretically an energy equal to the power of lifting 10,800,000 lbs. 1 ft. high. The amount of heat which would raise 1 lb. of water 1° Fahr, would lift it applied as steam power 1 lb. 772 ft. high, and 772 foot pounds is called the mechanical equivalent of force for a unit of heat, and 1 lb. of coal is in theory equal to 1400 units of heat. But it is well known that between theory and practice there is a very great difference. Theoretically it does not evaporate 5 lbs., and the highest practical result which has been realised is less than one-eighth of the thec-Theoretically 1 lb. of coal should evaporate about 13 lbs. of water; practically it does not evaporate 5 lbs., and the highest practical result which has been realised is less than one-eighth of the theoretical, without deducting for the impurities of the coal. Much, however, depends upon the quality of the coal and its degree of purity, as well as on the perfection of the combustion, and so far as steam is concerned in the construction of the boiler. At present it is stated that not much more than one-thirtieth of the whole theoretical value of the coal is realised in power. But more satisfactory results have been obtained we believe by Dr. Siemens' method of converting the coal or coke used into gas by means of a peculiarly results have been obtained we believe by Dr. Siemens' method of converting the coal or coke used into gas by means of a peculiarly constructed furnace, and also by Crampton's system, by which the coal in a state of fine powder is blown by means of a fan into a heated chamber, thus ensuring the perfect combustion of the fuel. Again, the average of the coal experimented upon for use in the Navy converted per pound of coal consumed under an ordinary boiler 8:69 bys. of water into steam, but according to the theoretical heating power of the average amount of hydrogon and carbon in the coals each pound was equivalent to the evaporation of 13:775 bs. of water, or the heating by 1° of 674.975 cubic feet of air. In a large mine ventilated by three furnaces the latter gave a combined result of 11.066 cubic feet of air raised 62° in temperature per pound of coal consumed, and 18.86 lbs. were consumed in the furnaces per minute. The average effect of 1b. of coal may be taken as imparting 1° to 500,000 cubic feet of air. Regnaultr some years since determined that the specific heat of air was 2669, so that the same amount of heat which would raise 1 lb. of water 1° in temperature would raise the same weight of air 3.75°, or equivalent to raising 49 cubic feet of air by 1°. Some improvements have been made, and others suggested, yet with all these carried into effect we shall lose more than one-half of the heat which we should obtain from the coal. We have been induced to bring under notice these facts relating to fuel seeing that the economising of fuel, and the obtaining from it an increased amount of its power is just properly by properly to remain the properly to fuel seeing that the economising of fuel, and the obtaining from it an increased been induced to bring under notice these facts relating to fuel seeing that the economising of fuel, and the obtaining from it an increased amount of its power, is just now being brought prominently forward by the joint committee of the National and Kyrle Societies in the Smoke Abatement Exhibition. Whatever may be effected in the abating of the smoke from coal there is a wide field for bringing out a greater amount of its power than is the case at the present time, and this we believe it will not be found so very difficult to accomplish.

GAS PRESSURE IN SOLID COAL.

GAS PRESSURE IN SOLID COAL.

The interesting paper by Mr. Lindbay Wood, recording his experiments showing the pressure of gas in the solid coal, read before the North of England Institute of Mining and Mechanical Engineers, has been reprinted separately, and should be carefully studied by all practical men. Mr. Wood's attention having been directed to the frequency of blowers of gas escaping from coal workings at high pressure, was led to try a series of experiments to ascertain if gas existed at any pressure in the solid coal itself. He was also anxious to ascertain what quantity of gas was driven off from a given area of a face of working coal, and at what rate this exudation of gas diminished per hour of exposure, so as, if possible, to ascertain the effect from this cause of rapidly exposing new surfaces of coal by quick working, with a view of having some data by which to compare pits working 12 hours a day with those working 24 hours. To this end depths into the coal in various seams at Elemore, Hetton, Eppleton.

working 12 hours a day with those working 24 hours. To this end five distinct experiments were made, and holes were bored at different depths into the coal in various seams at Elemore, Hetton, Eppleton, Boldon, and Harton Collieries; these holes were plugged, and gauges applied, and it was very soon found that very great pressures were shown to exist. One of these experiments was made in the Low Main Seam at Elemore Colliery at a depth of 750 ft. from the surface; one in the Hutton Seam at Hetton Colliery at a depth of 1228 ft.; and eight in the Hutton Seam at Eppleton Colliery at a depth of 1261 ft.; five were made in the Bensham seam at Boldon Colliery at a depth of 1268 ft. from surface; and three were made in the Bensham Seam at Harton Colliery at a depth of 1215 ft.

Every possible precaution appears to have been taken to prevent the accuracy of the results being interfered with by accidental circumstances; thus the experiment in the Low Main Seam was made at a point about 319 yards south-east from the shaft, and fully 60 yards from any whole workings or goaf; the dip of the strata being towards the cast. The roof is composed of grey metal and post girdle, is rather tender, and the thill is of strong seggar clay. The coal is clear, hard, bituminous, and moderately bright, with the cleavage well defined, and is used for household purposes. The Main Seam 114 ft. above, and the Hutton Seam 78 ft. below, are both partially worked; the specific gravity is 1:24. A 7-ft. bore-hole, 2½ in diameter, was put in at the face of a narrow bord at right angles to the cleav; in this hole a pipe, ½ in diameter, was fixed, the gas space left was 2 ft. 6 in., and the cover, that is the depth of the hole from surface, was 750 ft. The hole was thus carefully plugged. The pipe for conveying the gas from the gas space to the pressure gauge (Bourdon's, fixed on the outer end of the pipe beyond the collar) was serewed at its inside end, and provided with a nut and washer; the other end was provided with a collar. for conveying the gas from the gas space to the pressure gauge (Bourdon's, fixed on the outer end of the pipe beyond the collar) was screwed at its inside end, and provided with a nut and washer; the other end was provided with a collar. Between this collar and the nut were placed first a metal socket, and then a number of Indiarubber washers, which were a little smaller in diameter than the hole. When these were placed in the hole they were all screwed tightly up together, and the space round the socket at the outer end of the bore-hole filled with good Portland cement. In the first five minutes after the hole was made tight the pressure rose to 13 lbs. per square inch; the note was made tagent the pressure was 25½ lbs.; and in 11 hours 35 minutes the maximum of 28 lbs. per square inch was attained. This maximum pressure was maintained for 4 hours, when a steady decrease ensued; the gauge was attentively observed, and the varying pressures noted every hour. In 12 hours after the maximum the pressure was 27 lbs.; and in 36 hours after this it was 25½ lbs. A steady decrease still going on, the hourly observance of the pressure was continued, and at the end of 26 days 3 hours 25 minutes the last pressure, 8½ lbs., was read off and noted.

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east. The roof is composed of grey metal, with post girdles, and is moderately good; the thill is of rather soft seggar clay. The coal is clear, hard, and bituminous, with the cleavage well defined, and is used for household purposes. None of the coal seams either above or below have been worked; the specific gravity is 1·17. A 9-ft. bore-hole parallel with the cleat, and 2½ in. diameter, was put in, and a pipe ½ in. diameter put in so as to leave a gas space of 2 ft. There was 1228 ft. of cover, and Bourdon's gauge was used. The hole was plugged as before, except that only 1 ft. of India-rubber washers was used; these washers were screwed up and expanded so as to completely fill the hole, the outer end being filled up with Portland coment. The gauge was screwed on, and the readings noted every hour. In 5 minutes the pressure was 8½ lbs.; in 1 hour, 29 lbs.; and in 7 hours, 40 lbs. to the square inch. Up to this time a steady increase went on, which was followed by an equally steady decrease, which in 1 hour reduced the pressure to 39½ lbs. Readings continued to be taken every hour, and decreasing pressure was noted until at 22 hours from the commencement of the experiment it had fallen to 35 lbs.; this last noted pressure was at once succeeded by increasing pressures, so that in 1 hour more it was 37 lbs. During the next 33½ hours various fluctuations occurred; sometimes the gauge showed increasing and sometimes decreasing pressures. At the end of this time (56½ hours from the commencement) the highest pressure, 45 lbs., was noted; half an hour later the pressure fell to 40 lbs., and remained so for several hours, when the experiment was discontinued. At Eppleton Colliery several experiments were made, but for the complete details the reader must be referred to the volume of the Transactions of the Institution (Newcastle: Andrew Reid), although the results may be briefly referred to. A 3-ft. 6-in. bore-hole, 1½ in. diameter, showed 30 lbs. in 5 minutes, increasing in 6 hours 10 minutes to 93½ lbs., then regula

EXPLOSIVES.

The ordinarily quiet little Suffolk town of Stowmarket was on Saturday en fête, occasioned by the visit of a distinguished party to the works of the Explosives Company. A special train carried about fifty from London, and others arriving from different quarters, the fifty from London, and others arriving from different quarters, the numbers increased considerably by the time the experiments commenced. The interest taken by the naval and military services, and by leading engineers in the manufactures of this company was evidenced by the presence of officers of the scientific branches of the services, and by naval and military attaches, and other delegates of foreign governments, including those of China and Japan, the Minister of the United States of Colombia, who had just returned from a visit to Count de Lesseps, was present, and followed the experiments with much interest, especially those bearing on the great enterprise, the Panama Canal, a work which but for explosives, such as the Stowmarket Company have brought to perfection, could never be carried out. Illustrative of the magnitude of this work, it is estimated that from 30,000 to 40,000 tons of explosives must be could never be carried out. Hustrative of the magnitude of this work, it is estimated that from 30,000 to 40,000 tons of explosives must be used before the waters of the Atlantic and the Pacific meet. A portion of this immense demand will doubtless fall on the Explosives Company, but as they have lately taken a lease of 150 acres of land near Swansea, they will be able to supply not only the needs of the engineers of the Panama Canal but the increasing demands for mining purposes both at home und abroad.

The party visiting the Stowmarket Works on Saturday being so

mining purposes both at home und abroad.

The party visiting the Stowmarket Works on Saturday being so numerous, and nearly all professionally interested, they were divided into three sections, and each in turn visited the buildings in which the several processes are carried on, an official of the company in each case acting as cicerone. What struck everyone was the perfect system and order that prevailed, testifying administrative capacity of no common order. It is needless to say that the manufacture of dynamite and other nitroglycerine compounds is one that must be conducted with the greatest care, and that most stringent conditions are imposed by the Legislature, and it speaks volumes for Mr. Ernest Spon, C.E., the engineer and general manager of the company, and his able staff, that not a single accident has occurred during his management. After the inspection of the works illustrations of the

spon, C.E., the engineer and general manager of the company, and his able staff, that not a single accident has occurred during his management. After the inspection of the works illustrations of the effects of explosives were given. Lead cylinders were charged with \$\frac{1}{2}\text{oz}\$ each of gunpowder, guncotton, mining guncotton, dynamite, and new dynamite, and fired simultaneously, the result being that the one charged with guncotton, mining guncotton, and dynamite were respectively more damaged, while the one charged with new dynamite was so shattered as to be unrecognisable. The same result followed on experiments on steel discs.

Special interest was faken by the foreign military engineers in experiments on steel rails. Lengths of steel railway bars were laid down, and on these were placed small charges of guncotton which when fired shattered the rails to an extent that would have wrecked any train arriving at the point of rupture. It was well said that if provided with these harmless-looking pocket companions, a few Uhlans could effectually check the progress of any railway train.

A very curious effect of the action of the new gun-cotton when exploded in water was shown. In an inch thick iron tank filled with water was sunk a small charge, only 1\frac{1}{2}\text{oz}. On this occasion, to the unimitiated apparently the least dangerous, the visitors were requested, after seeing the charge immersed, to withdraw to some distance, a warning justified by the fact that the tank was shattered to pieces, the fragments flying in all directions, one being embedded in a fence, about 30 yards distant. This experiment had special interest for the mining engineers present. The new dynamite, it was explained, does not exude when placed in water, as is the case with Nobels—a great advantage when blasting in wet holes. The new blasting gun-cotton is specially adapted for use in collieries, particularly in fiery seams, and is better suited for the work than any other explosive yet introduced; it is safer than powder; i coal miners.

coal miners.

A new gun-cotton for sporting purposes, the exclusive manufacture of the company, was tested with the most remarkable results. The noise was very slight, the recoil hardly perceptible, and the penetration on ihe target perfect. This experiment elicited universal applause; a Hungarian noble, a well known traveller and sportsman, being loud in his encomiums. The philanthropist, however, may not look with favour on an invention which, by dispensing with smoke and recoil, would add greatly to the number of those who would fall by the bullet in action. On the other hand, it might be argued that the Explosive Company, by its perfection of instruments of destruction, are hastening the day when conviction will come to the minds of the peoples of the earth that differences between nations may be solved in a manner more satisfactory to themselves, if not to their rules; then, by wholeselve slengther of those with

pleasant and instructive passes by blood closed a world-wide reputa-experience.

The present company have already obtained a world-wide reputa-tion for the excellence of their manufactures; but after the experi-ments of Saturday, reports of which will, through the representa-tives of the foreign Press present, be circulated far and wide, we anticipate that amongst the things to be seen by those visiting our shores will be the works of the Explosives Company at Stowmarket

Mersey Tunnel Pumping-Engines.—In reference to the remarks in last week's Joarnal, it will, no doubt, interest our readers to know that the magnificent wrought-iron bobs or tracking beams connecting the pumping-rods were made by the noted firm of mining machinery manufacturers, the Sandycroft Foundry and Engine Company (Limited), near Chester. These bobs, which can be seen from the streets on the Birkenhead and Liverpool sides of the river, majestically moving backwards and forwards, are the finest of the kind that have ever been erected, and do the greatest credit to the well-known makers. They are constructed entirely of wrought-iron, designed especially with a view to reduce the remotest chances of breakage, and in order to facilitate their erection in a crowded thoroughfare. The plate iron flitches forming the sides and king posts are 2 ft. 6 in. deep at the centre, 1 ft. 4 in. at the ends, and 1 in. thick. These are strongly braced together with distance pieces and strong wrought-iron lattices, the centre gudgeon, is 11 in. diameter, working in massive pedestals. The tie-rods, from pin in king post to the extremities of the bobs, are of hammered iron, 4 in. diameter in the middle, tapering to 3 in. at the ends. The ends of these rods are fitted with straps, gibs, and cotters of the most substantial description, in order to tighten upon the gudgeons or pins, and at the same time take up any back lash. The or the most substantial description, in order to tighten upon the gudgeons or pins, and at the same time take up any back lash. The horizontal length of the bobs from the centre of pumping pin to centre of balance pin is 30 ft., and from centre gudgeon to pin at the head of king post, 15 ft. The total weight of these splendid examples of modern pumping quadrants is upwards of 45 tons

The Duplex Lever Capsule Campany.—The shares in this company have been strongly subscribed for privately. The invention is described by the large houses, whose aggregate business is estimated at many millions of gross of stoppers or capsules yearly, to be of vast practical utility. The sale of the foreign patents is alone expected to return the whole capital of the company to the pockets of its shareholders two or three times over, and the dividends probably be 50 per cent. per annum, and even more. The machines, which are stated to be beautiful models of American invention, are telegraphed as being already on their way to London, and they are calculated to make about 250,000 stoppers weekly—a good commencement. The share list closes on Thursday next. A short prospectus appears on another page. spectus appears on another page.

INDIAN MINING LEASES.—Applicants for mining leases in the Neilgherries will, says the Madras Mail of Oct. 31, very shortly receive their documents, as the forms have at last arrived at the Commissioner's office. The delay has been laid at the door of the Commissioner, but it is rather due to the Board of Revenue, who have, when sending the forms, intimated their refusal to expunge any of the objectionable clauses. This is to be regretted. Whether the leases will work can only be learned from issuing them and testing their operation, and the possibility of enforcing their terms. Referring to this announcement a local correspondent remarks that nothing is said on the subject of new leases being granted for lands that have ring to this announcement a local correspondent remarks that nothing is said on the subject of new leases being granted for lands that have been during the past few years escheated by Government. About 15 years back the whole of Cherambadi, situated in south-east Wynand, was the property of a native rajah, named Chata Kadadoo, who leased his lands for certain terms of years for planting purposes, and some of which leases have still to run several years. But the Government seem to have escheated these lands, and have granted no new leases to the rightful everyor of the properties although requision was also to the rightful owners of the properties, although permission was obtained from Mr. Ballard, late Collector of Malabar, for the owners of these estates to retain them on the same terms as they had been originally obtained from the rajah; and in several cases these lands have recently been disposed of for mining purposes. Although the price for the land in some cases had been once deposited in the bank, tet not a review can the owners of these properties town until the price of the land in some cases had these properties town until the bank, price for the land in some cases had been once deposited in the bank, yet not a rupee can the owners of these properties touch until the leases have been transferred to them by Government. This vexed question has now been on the tapis for about one year. The question would doubtless have been settled long ere this had not our late lamented Governor, Mr. Adams, died; but since that event everything connected with this subject has been in statu quo. It is to be sincerely hoped that our new Governor will afford this subject his best attention, so that the owners of properties in Cherambadi may have justice done them.

RAILWAY MANAGEMENT IN AMERICA.—At the last accounts from Nevada the general body of railway shareholders in that State and the adjoining region of Oregon were in a condition of pardonable emotion in regard to the affairs of the Nevada and Oregon Company. It appears that a person named Moore had contracted to build the first 30 miles of the railway, and it is alleged against him that in place of supplying steel rails weighing 35 lbs. to the yard, as had been ordered, he had laid down common iron rails of the perilously light weight of 30 lbs. A quarrel broke out, and Moore, who appears to have been a consummate tactician, induced the secretary of the comhave been a consummate tactician, induced the scoretary of the company to run off with the list of shareholders, and then called a meeting to elect a new board, in whose eyes, it may be presumed, the common ron rails would be as serviceable as the more costly and enduring steel. The directors replied to this move by subscibing for 30,000 new shares, and Moore rejoined by obtaining an order from the United States District Court to present the board from yoting in right of States District Court to prevent the board from voting in right of this new stock. The resources of civilisation, or rather, as Mr. Gladstone said, the "forces of civilisation," were not yet exhausted, and the directors induced the Court to rescind its own order. At this the directors induced the Court to rescind its own order. At this point, when the parties met face to face, Moore and his merry men the "navvies," and the directors with their decree to dissolve the injunction, the dispute passed out of the arena of legal contentions and entered upon a more acute phase. The directors were ordered to quit. They refused, and immediately the superintendent of the line and a party of men entered the room and began firing at the directors. This was the signal for a general fight, in which one of the brand-new directors who supported Mr. Moore was shot in the stomach and another through the lungs and the right wrist. The directors, having proved their superiority both as managers of the

colonist, a military officer, on witnessing this experiment, related how, some 35 years ago, being in charge of an expedition to found a new colony in Northern Australia, his party were attacked by a large body of natives, and his men were engaged for weeks cutting down the trees round the camp which gave shelter to the foe. "Why, Sir, with a few of your company's ladies' garters we could have done the work in an hour, and what is more the natives would have worshipped us as gods." We can readily understand the effect that would be produced on the mind of the untutored savage by such exhibitions as we witnessed, and certainly the best companions de voyage of an African explorer would be a parcel of "Stowmarket wonders." and African explorer would be a parcel of "Stowmarket wonders." and the conclusion of the experiments the party sat down to an excellent lunch provided by their hosts, the directors of the company. The tables were laid in one of the buildings, cleared out and tastefully decorated for the occasion. Several ladies graced the aguests there was not a vacant seat, some being accommodated guests there was not a vacant seat, some being accommodated at side tables. The bracing air had sharpened the appetites, and champagne of the best vintage may have been partially responsible for the excellent speeches appropriate to the occasion. At 5°30 a special train bore back the London visitors to the Metropolis, and, without a dissentient voice, the day was pronounced one of the most pleasant and instructive passed by those even of long and varied experience.

The present company have already obtained a world-wide reputa-LA PLATA MINING AND SMELTING COMPANY.

The fiteenth consecutive monthly dividend at the rate of 9 per cent, per annum has been declared out of the October profits, absorbing \$15,000, and leaving \$51,069 to the credit of the reserve fund. The result of this steady and continued prosperity is, that during the week the shares have been attracting a considerable amount of attention, and as the prospects of the company are reported to be decidedly improving, this good feeling is not likely 'o diminish. It is well known that hitherto the profits have been principally derived from smelting, but it is now understood that the management are about to enlarge their smelting works considerably by the crection of a new furnace, the whole of the cost of which will be borne by the reserve fund, so that the shareholders will get the benefit of an increased income without being called upon to contribute any additional capital. Some idea may be formed of the magnitude of the company's operations by the statement that the amount of ore that the company is now smelting is at the rate of over 700 tons per week, and that of the 72,152,216 lbs. of ore smelted from the organisation of the company in June, 1879, to November 1, 1880, no less than 69,370,243 lbs. was smelted. It appears from the last report of the president to the shareholders that the total amount of ore smelted during the past year was 71,160,798 lbs.; the product shipped, 13,665,001 lbs. of lead, 1,363,774 onnees of silver, for which they received \$1,763,198}. The amount paid for ore was \$1,200,929, plus smelting and all expenses, \$373,799, making a total cost of \$1,574,728, leaving a net profit of \$188,470\frac{1}{2}, out of which the shareholders have received \$180,000 in dividends. The staff at Leadville consists of the management to have the best assistants and keep down all expenses. The plant is not excelled by that in use at any other establishment of the kind in the country.

In August last two lines of railway reached Leadville, since which time extensions ha

Prior to the entrance of the railroad many of these mines could not get their ores to market except at a very great expense. The railroad companies have given freight rates as cheap, and in many cases cheaper, than to any other smelting point in the country. Therefore all this product will come to Leadville, thus assuring your company a supply of ores for years to come, and settles the fact that this will be a large smelting centre. We are now receiving and buying ores from most of these camps, and each month shows an increase, as the miners find that they can get as good a price at Leadville, if not better, than at other points. The mines of Leadville together are to-day producing as much as ever, and many new ones are becoming producers. The great excitement and fabulous statements have ceased, and business of all kinds has come down to a solid basis.

Apart from the smelting works, however, it is understood that the mines owned by the company are increasing in richness as they are opened out, and Mr. M. E. Smith reports that there is not a single face in any portion of the property, excepting the new Gnesen incline, which does not show minerals fit for use at their works, and that this mineral is from 1 ft. to 21 ft. in thickness, and their reserves are this mineral is from 1 ft. to 21 ft. in thickness, and their reserves are very great. They employ a force of 60 men of all kinds; of those employed underground half are kept steadily on development work. The ore production in the 12 months was 14,658,745 lbs., and Mr. Smith suggests that the management be permitted to continue the developments as heretofore, and that in no instance, unless the purchasable ores become very dear, should the mine be called on for more than 1000 or 1200 tons per month. The principle of husbanding the ores of their own properties has, he adds, shown them in the past that they are independent of the market to a great extent, and a continuance of the same policy will be a benefit to the company. Upon this point further information will be published in next week's Journal, and will explain the active business in the shares.

NEW ZEALAND KAPANGA GOLD MINING COMPANY.

NEW ZEALAND KAPANGA GOLD MINING COMPANY.

The history of mining is a history of hope deferred, of surprises, and of enterprise deemed almost defunct springing forward into life with richer prospects than any before enjoyed. And, as history repeats itself, we are constantly hearing of some mine, deserted by a large portion of its original proprietary, becoming in the hands of their successors a source of great wealth. We are led to these observations by finding that there has lately sprang up a demand for the shares of the New Zealand Kapanga Company, which originally started nine years since with a capital of 100,000l., in 20,000 shares of 5l. each, did not give the results anticipated, and was a short time since re-constructed with a like capital, in 100,000 shares, of 1l. each, of which 79,145 have been issued, those shares now commanding \(\frac{1}{2} \) to \(\frac{1}{2} \) each only; but, if all that we hear be true, they are likely to be very shortly at par or higher. Indeed, a report has been received from Mr. James Thomas, the manager, dated Coromandel, N.Z., Oct. 8, and addressed to Mr. W. J. Lavington, of Austinfriars, the secretary of the company, which speaks most confidently as to the prospects of the company in the immediate future.

After alluding to the progress making in driving the 70 cross-cut, and which he estimates will only have to be driven 73 ft. further to reach the lode, he says that they encountered a belt of elvan, which they had previously seen at the 50 cross-cut, and had expected to meet again at the 70 level. This expectation has not been disappointed, and Mr. Thomas states that it proves the character of the hanging-wall as seen throughout the mine. At the 50 cross-cut an important discovery has just been made, Scotty's lode having been intersected on Sept. 26, the driving having been extended east 146 ft. to a point where it was expected gold would be struck, and the manager reports that the first stones of quartz broken contained exceedingly rich veins and blotches of s'rong

in the world.

Mr. Thomas states that between the flookan and the gold bearing branch the lode is composed of a very congenial description of sugary quartz, much intermixed with mundic and carbonate of lime. The lode is easily driven on, and the ground embedding it is kindly and soft, presenting every element of the most likely kind for producing gold. From the time of cutting the lode the workmen had been engaged in securely timbering the mine, laying rails, &c., for the prosecution of the work, and within three days from the date of Mr. Thomas's report all would be completed, and driving at each argued that the Explosive Company, by its perfection of instruments of destruction, are hastening the day when conviction will come to the minds of the peoples of the earth that differences between nations may be solved in a manner more satisfactory to themselves, in the mediately the superintendent of the if not to their rulers, than by wholesale slaughter of those with whom they have individually no quarrel, the very cause of difference often unknown.

Not be successful were the torpedo experiments. Small charges of the new dynamite sunk in the canal and fired sent volumes of the new dynamite sunk in the canal and fired sent volumes of highly in the dispute passed out of the arena of legal contentions and the right will have upon a more acute phase. The directors were ordered to quit. They refused, and immediately the superintendent of the first to the ir, rulers, than by wholesale slaughter of those with whom they have individually no quarrel, the very cause of differences between nations may be solved in a manner more satisfactory to themselves, in the dispute passed out of the arena of legal contentions and entered upon a more acute phase. The directors were ordered to quit. They refused, and driving at once of Mr. Thomas's report all would be completed, and driving at once of Mr. Thomas's report all would be completed, and driving at once of Mr. Thomas's report all would be completed, and driving at once of Mr. Thomas's report all would be completed, and driving at once of Mr. Thomas's report all would be completed, and driving at once of Mr. Thomas's report all would be completed, and driving at once of Mr. Thomas's report all would be completed, and driving at once of Mr. Thomas's report all would be completed, and driving at once of Mr. Thomas's report all would be completed, and driving at once of Mr. Thomas's report all would be completed, and driving at once of Mr. Thomas's report all would be convinced that in a little three transitions, both underground at surface, were the torpedo experiments. Sm future prosperity of one of the most interesting of our colonies. We thay add that there is no intention of issuing the reserved shares for the present.

INDIAN GOLD MINING-THE WYNAAD DISTRICT:

The list mail brings much interesting information with regard to gold mining in the Wynaad. Mr. W. Lonsdale, the new general manager of the Indian Gold Mines Company, has arrived out, and the Madras Mail explains that he will hold a position of equal responsibility with Mr. Severn, on whom all branches of work at the mines have heretofore devolved, much to the detriment of the work itself and to Mr. Severn's health. Mr. Severn has certainly the credit of all the initiatory engineering work, which has been pronounced by competent spectators to be on a grand and scientific scale. Mr. Lonsdale will flot superscde but divide the work with Mr. Severn, in whom the direction at Home have the utmost confidence. Mr. Severn is a confidence path to the approprietty which lives secured Mr. Lonsdale will be the proposition of the secure of the severn is a confidence. entine party to the arrangements which have secured Mr. Lonsdale his appointment. With regard to the South-East Wyndad Estates and Gold Mining Company, it appears that up to the end of October about 50 tons of stone had been crushed by Cook's machine, after which this machine, the only one at present available, became useless, and further crushing is at a stand-still for the present. The 50 tons crushed have given an average of a little over $\frac{1}{2}$ oz. to the tön. This, considering the appliances available, is considered very ritisfactory. The engineer is now creeting a 12-head stamp battery

rittisfactiofy. The engineer is now erecting a 12-head stamp battery which it is expected will be complete about the end of the year, and it is coinfidently expected that the results will at least cover all expenses from the commendenicit of the next year and until additional machinery will enable the company to extend their workings; when a very handsome return may be looked for.

The statements made by Mr. W. W. King, in his paper read before the British Association at York; has given intense dissatisfaction in India; where it is alleged that he has never seen the localities about which he expresses at infinity original. Writing from Terricot a correspondent of the South of India (Phierry (Oct. 21) says:—We are all waiting for news of the gold companies 1854 in the London market, and are told that this month or next should bring us some decisive information. Not much mining work is being carried on at market, and are told that this month or next should bring us settle decisive information. Not much mining work is being carried on at present, most of the estates having several reefs exposed, gold easily found in the crushed stone, or in earth from the casing, and good usuffered in the crushed stone, or in earth from the casing, and good usuffered in the crushed stone, or in earth from the casing, and good usuffered in the case of the work of the work of the case of the country in a testing the country, but their auriferousness is only displayed over a portion—in the south-east of Wynaad, and in the adjacent low country of Malabar, in a general east and west belt. Outside the committee southerest of wynam, and in the adjacent low committy of Malabar, in a general east and west belt. Outside the Ubit the rees were weaker, and only locally auriferous." Now, this statement, says the writer, is unfair and unfounded—"I say this deliberately, as I know personally that Mr. King never visited Vytherey or Terrioot, though he expected and promised to do so, and besides can know nothing of the extensive district of North Wythaud beyond what a very district year. can know nothing of the extensive district of North Wytmad beyond what a very flitting visit to Manantoddy before a single red wine then dead could show him. Many proprietors here have paid, and are judying; lieavy fees for reports on their reefs which had been explosed only during the list twelve or fifteen months (some much less) for the purposes of sale at licitie; and it is strange that doubt should be thrown on such reports, as it is from a source that many people would think official. I cannot remember when Mr. Ming left the country, but I am sure that he has not been in Wynaad or its neighbourhood since this part of it had been prospected, and yet in a return referred only last month he makes use of the position as a member of the Geological Survey to condemn all these parts that he less not seen. Why? Of course we here, who find quartz in abundl'as not seen. Why? Of course we here, who find quartz in abund-dance arid gold in quantities—that experts assure us mean "paying" —cannot venture on h direct answer to that question, but it is a somewhat significant fact that Mr. W. King is a shareholder in one Of course we here, who find quartz in abundof the companies whose property is within the general cast and west belt that he describes as auriferous. I trust the matter will be taken up by our Planting and Mining Association, and brought to the notice of the Mining Journal and other papers that bring such questions before the public."

Regarding Mr. King's statement that "the results obtained so far do not justify the enormous prices which had been paid for land and concessions "—it seems that this view is not held by some of the most practical of the mining engineers we have steen here. One of them with whom I have had many conversations, looks at affairs in a very different aspect. He says that the companies formed (or forming) are wise in acquiring very large areas of land fiftt they cannot possibly ever use themselves for mining purposes; that fliey can take their plek of the reefs—whether the most payable, the most accessible, or what not, and having reserved to themselves sufficient space, water privileges, wood supply, access to roads, &c., will be able to recover the whole of their capital by reroads, &c., will be able to recover the whole of their capital by fesale or leases to other companies, so soon as their first workings have proved the commercial value of the enterprise—a matter on which he has no doubt whatever. He prophesies that where one company (of course referring to those that have taken up large atcreages) is now setting to work, there will be ten companies within the next five years! He points out to us that no one set of works build hope to dispose of the quartit from many different reefs, and that each set of work is likely to be quite enough for any single company and its officers to manage. company and its officers to manage.

FRESH USES FOR TIN-THE DUPLEX LEVER CAPSULE COMPANY.

A novel and interesting application of tin to articles of domestic utility is shown by a company brought out this week—the Duplex Lever Capsule Company (Limited). One of the largest manufactures of the kingdom is that of pickles, marmalades, jams, sauces, &c., and the bottles and jars used in it are to be counted by millions. Every-one of these has to be covered and stopped, and the customary way of one of these has to be covered and stopped, and the customary way of doing it—with a bung or cork, protected by a piece of parchment, waxing or resining the top, and then finally covering it with a Betts's Metallic Capsule—is familiar to all. This will soon, however, be a thing of the past. The new stopper is simply a cover, stamped out of tin-plate, lined with cork, and fitting the outside of the bottle. It is pressed down with considerable force, and is at once air-tight, and incapable of being removed by the hand only. By the aid of an ingenious contrivance attached to it it may, however, be immediately taken off, and can, if necessary, be taken on and off thousands of times with rapidity and ease. times with rapidity and ease.

The advantage to large manufacturers in being able to cover their cods rapidly and safely by one instantaneous operation, instead of our or five, is of the highest importance, for it means great economy of cost. To the consumer the advantage consists in having a cleanly of cost. To the consumer the advantage consists in having a cleanly air-tight stopper, which he can take off as many times as he pleases without troubling himself with a corkscrew—which is rarely found when wantel—or any other instrument. The bottles will also be cheaper to make, owing to the stopper being an external instead of an internal one -thus doing away with the cost of accurately shaping the inside of the neck. The stoppers can be supplied for less than half the cost of the pickle stopper with the india-rubber rim or cushion which is familiar to our readers, and yet leave a very ing the inside of the neck. handsome profit. Apart, however, from the profits to be made out of the enormous home and export trade in the United Kingdom, ti should be stated (and this will doubtless be the charm to the investor) that the foreign patents (which also belong to the company) are going to be sold, and the proceeds distributed amongst the shareholders, and as the entire capital of the company is but 50,000L, it is quite probable that the sale of the French and Belgian patents alone will give a return of the whole capital of the company, so that shareholders will not only be in the enviable position of catting their shares absolutely free of cost, but the sales of the of getting their shares absolutely free of cost, but the sales of the and the permanent source of revenue arising from the home manufacture. It will be seen by the abridged prospectus, which appears to-day in our columns, that the Share List closes next Thursday, that any shares issued after that day will be at a pre-

mium, and that the machines for turning out 250,000 capsules weekly are in course of shipment from New York;

REPORT FROM CORNWALL.

Nov. 24.—There are not a few who anticipate that by the effect of the year we shall see the tin standards up to 110s, or thereabouts; and it is quite on the cards that their anticipations may be realised. We can hardly, however, although a further advance seems certain, regard this forecast, considering the season and various other qualifying influences, as likely to be realised. If it is, then the best we can wish for 1882 will be that it may end as it began, and that there thay be very little fluctuation either ofte way or the other. The tin standards are very nearly as high as it is desirable they should go. standards are very nearly as high as it is destrable they should go, for already an added stimulus has been given to foreign competition, and the real problem to be colved, if it be in any way solvable, is to get as much as we can for home produce without encouraging unduly the foreign producer. To a certain extent the game is now in our hands, and no effort should be wanting to keep it in that position.

satisfactory to note that the recent advances have not stimu-It is satisfactory to note that the recent advances have not samulated, to dily finiterial extent, new ventures. There has been of course, a good deal of apeculation, but it has been confined chiefly to dealing in the shares of established mines. Best so; 1881 has not been so abundantly productive of promising projects that any more failures or bogues need be added to the number.

One of the most satisfactory indications of revived commercial activity in Cornwall is supplied by the new railway projects which the Navaghar has seen launched. The most important of these

this November has seen launched. The most important of these are in connection with the North Cornwall Railway, the recent outcome of what many years ago was known as the Central Scheme. belonging to the Padstow Harbour Commissioners and terminate at Wadebridge, forming a junction with the Bedmin and Wadebridge Railway. It again tentist from the Bodmin and Wadebridge Railway at Wadebridge, and terminates at Launceston, forming a junction with the Launceston and South Devon line. Another line is tion with the Launceston and South Devon line. Another line is to commence near Launceston, and terminate in the parish of Ralkell, by a junction with the Rolsworthy branch of the London and South-Western Pailway. These are the most important railway notices, for lines opting up the whole of North Cornwall to railway communication, from Wadebridge to Fadstow and from Wadebridge to Launceston; and by means of the existing Bodmin and from Wadebridge Railway, and a branch line, of which the Great Western Company have given notice, from Bodmin to Bodmin-road station, giving railway communication with the Cornwall Railway through East and West Cornwall. Moreover, there is another proposal to East and West Cornwall. Moreover, there is another proposal to give these lines a through character by making a connection from Padstow to St. Dennis on the Cornwall Mineral Railway.

The North Cornwall Hailway is a South-Western or narrow guage scheme. The Great Western Company seek to improve the Cornwall system in various ways, but chiefly by the construction of a branch line to Bodmin from Bodmin-road, which will be carried to a junction with the station of the Bodmin and Wadebridge line of the Bouth-Western. Other notices apply to the improvement of the authorised Helston Branch at its termini, and to the much needed improvement of the Redruth, Camborne, and Hayle stations on the

West Cornwall line.

An important improvement is proposed to be effected by the Liskend and Caradon Railway Company, to apply for powers to effect such alterations and improvements as are required to render their line applicable for the conveyance of passengers. Also to extend the same northwards by way of St. Cleer, Linkinhorne, and North Hill, to the parish of Altarium, not far from the village of Five Lanes. It is likewise proposed to considerably lessen the distance between Liskeard town and the present Liskeard and Looe Railway, by means of a impation. Yet another project, which has been much discussed West Cornwall line. of a junction. Yet another project, which has been much discussed from time to time, and which, if it can be carried out, will be of the greatest value to the interests of the important mineral districts about Gunnislake and Callington, is the proposal to open up this important section of East Cornwall by the construction of a railway commencing at the Launceston and South Devon Railway at Tavistock, and terminating at Calstock, in the county of Cornwall, a disstock, and terminating at Caiscock, in the county of Conwan, a distance of about seven miles. Most part of this railway will be in the county of Devon. Powers are applied for to enable the East Cornwall Mineral Railway Company, the Great Western, and the South-Western Companies to contribute towards the expenses for forming the same. The South-Western, it will be remembered, runs through

the same. The South-Western, it will be remembered, runs through Tavistock on its way to Plymouth.

The notices for Devonshire are by comparison of minor importance, but it is proposed to execute important waterside connections and works at Plymouth in association with the Plymouth and Dartmoor

Railway, now under construction.

We are sorry to see South Caradon making a loss, but it is not at all likely, though this famous concern has fallen somewhat upon evil days, that its successful history is by any means exhausted. With an improved standard for copper it will, in all probability, resume its old position, for there seems to be no falling off in its general productiveness. We wish we could feel and speak as hopefully of West Chiverton. It must be a very sanguine man who can look for recovery there; but it is emphatically true that it mining while there is life there is hope, and so it may have another chance yet.

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

Nov. 24.-Domestic coal is in better sale than a month ago, yet the open weather prevents there being any pressure of work at the col-lieries. Representatives of Cannoek Chase firms on 'Change in Bir-mingham this afternoon quoted prices as:—Best deep sorts, 10s.; best shallow, 9s.; second shallow, 8s.; and forge sorts 7s. per ton, best shallow, ys.; second shallow, 8s.; and forge sorts 7s. per ton, all at the pits. Cokes were quiet, consumers having for the present satisfied necessities. South Yorkshire sorts were priced at 16s. 6d delivered. Pig iron was steady in price but rather stagnant in demand. Staffordshire all mine makers reported that their sales were not increasing, and that it was not very likely that there would be an improvement this year. Nevertheless some concern was this afternoon expressed lest the colliers' agitation should force the bands of the expressed lest the colliers' agitation should force the hands of the Chairman of the Coalmasters' Association, and compel his declaring an early advance in coal, in which case pigs would have to advance: 3l. 7s. 6d. to 3l. 10s. was asked for native all mines; part mines were 2l. 15s. to 2l. 10s., and common sorts 2l. 5s. to 2l. 2s. 6d. Thorneliffe pigs were 3l.; but without sales. Finished iron was moderately brisk.

Hoops were 64. 7s. 6d. to 7l. 5s.; medium bars, 7l. 5s, to 6l. 15s.; and common, 6l. 10s. to 6l. 5s.

Upon Change in Wolverhampton, on Wednesday, it transpired that at the meeting of the directors of the Hamstead Colliery Company, held on Tuesday, Mr. Richard Chamberlain, ex-Mayor of Birmingham, had been elected chairman of the board in succession to the late Mr. R. D. Gough. The new chairman, as also his brother, the President of the Board of Trade, are largely interested in the concern. The second large plant at the colliery is now nearly completed, and the two monster engines are among the largest in the kingdom. The gate roading below is being driven out very rapidly, and the coal, top and bottom, proved is of the best quality. The engine was started a few days ago, and works very satis-

second engine was started a few days ago, and works very satisfactorily.

A special congress of representative colliers (non-Union and Union), of South Staffordshire and East Worcestershire was held at Great Bridge on Monday. Some 65 delegates were present, and the proceedings were characterised by great unanimity of purpose. Much indignation was expressed that the masters should have declined to discuss the aterations in the sliding scale. The chairman asked—Were the miners going to crouch to the masters as in the past? The present wages were not enough to keep body and soul together. It was resolved to give three months' notice to termiate the scale, and also to demand an immediate advance of 3d. a day for the Thin coal

men, and 6d? for the Thick coal men.

The paste used for percelain often contains ferruginous particles, which give the baked articles a colour, or a minutely spotted appearance, where a pure white may have been desired. In this way ceramic products may lose as much as 50 per cent. of their value. The at-

tempts hitherto made to remove those traces of iron with magnets tempts hitherto made to remove those traces of iron with magnets have met with poor success. Recently, however, at two important French works, the Farencerie of Creil, and the establishment of MM. Pillivuyt and Co., of Mehum-sur-Yevre, it was decided to set up powerful apparatus in which the electricity, instead of being surphied from batteries, was obtained by means of a small Gramme machine driven by a steam engine. The arrangement (which is said to work well) comprises a strong horizontal electro-magnet, with the poles very near each other, and between them a thin box. The paste, very liquid, enters the upper part of this box and is deflected towards to liquid, enters the upper part of this box and is deflected towards the polar sides by a bent piece of zinc. As it flows down these sides the iron corpuscles are caught on them by the magnetic force. The apparatus is cleaned twice a dist by means of a intermediate the contraction. paratus is cleaned twice a day by means of a jet of water, the magnet being unmade. About 1 gramme of iron particles is stopped in the passage of 12 kilogs, of paste, and 590 or 600 kilogs, of paste may passage of 12 kilogs, of paste, and 590 or 600 kilogs, of paste may be passed through one apparatus in a day. Again a porous porcelain, or earthenware is produced by Herr Bucholz, of Charlottenburg, by mixing the prepared paste with matters which burn while the wares are baked, and leave the spaces they previously took up empty (except a little ash). Different kinds of matter for the purpose are taken, according to the size of the pores desired. Seed-grains of various kinds and sizes are suitable, especially poor corn; still better, thin rods of willow, birch, or hazel, cut up into small pieces, which are sorted, and rounded in a mill. Herr Bucholz also utilises the same principle for producing regular continuous pores or apertures in porcelain ware by means of wooden rods embedded in particular directions in the paste. tions in the paste.

TRADE OF THE TYNE AND WEAR,

Nov. 23.—The Coal and Coke Trades continue, on the whole, good, with an improving tendency in prices. Some contracts for coke have been made for the next six months at advanced rates; the demand for all kinds of fuel, although strong, is not sufficient to cause a rapid rise in prices, but there is a healthy demand, and an upward a rapid rise in prices, but there is a healthy demand, and an upward of the country of the property a rapid rise in prices, but there is a healthy demand, and an upward tendency in many cases. Buyers of manufacturing coals resist the demands for increased rates, and this presents to some extent the completion of contracts for this description of coal. The shipments of coal and coke from the Tyne Dock during the week have been above an average, although high winds have prevented to some extent the movement of shipping from other docks and shipping places; the shipments have also been large. The gas shipments have been very full to all parts of the world; there have been some large exports of this coal to Italy in new boats belonging to owners in that country. Shipments of gas coals to France have also been in that country. Shipments of gas coals to France have also been large. The exportation of steam coal has been retarded to some extent, owing to the want of tonnage. The principal shipments of It on the north side of the Tyne this week have been by very large steamers. A good number of small foreign sailing ships have loaded this coal at Blyth. The improvement of the Blyth Harbour and sea this coal at Myth. The improvement of the Blyth Harbour and sea appreaches again occupies much attention. It appears that the parties who have had the management of this business have failed entirely in carrying out or effecting the required improvements which were necessary to enable large steamers to enter the harbour and load steam coal, and as the number of small sailing ships has been rapidly reduced the trade of Blyth has of late declined instead of educations are averaged if the province of the steam coal, and as the number of small sailing ships has been rapidly reduced the trade of Blyth has of late declined instead of advancing, as was expected if the operations for increasing the depth of water had proved successful. It is now proposed to appoint commissioners to take the management of the harbour and river works of this important steam coal shipping port, and a comprehensive plan for the general improvement of the port will be drawn out. It is hoped that this plan will be carried out by the Commissioners without delay. On the whole, the coal and coke trades are improving. The steam coal trade is in a fairly prosperous condition, most of the works in all parts of the district being fairly employed. The demand for best house coal in Durham is also in employed. The demand for best house coal in Durham is also is , and the best Harton house coal is now 12s. per ton on board ship at Tyne Dock.

The iron trade has been pretty steady throughout the week, and a considerable business has been done by merchants, who now possess most of the available iron up to the end of the year. Large shipments are now being made, and also considerable deliveries by shipments are now being made, and also considerable deliveries by rail. Indications of improvement in the manufactured iron trade and in the general trade of the district continues. The North-Eastern Railway Company are extremely busy, and there is a scarcity of trucks for the traffie. The make of steel will be largely increased shortly. The prices of finished fron is very firm; ship-plates, 6l. 10s.; boiler-plates, 7l. 10s.; puddled bars, 4l. net. Pig-iron has shown very little change. Messrs. Connal's stock continues to be reduced; there is a reduction of nearly 600 tons on the week. Mr. Charles Wood, of Middlesborough, has received another order for 13,000 tons of his patent wrought-iron sleepers for the Cape. The Erimus Steelworks are now in full swing, and 600 tons of light rails are being turned out per week. The orders have been chiefly for the colonies and the mines of the North of England. The rolling mills at the Teeside Iron and Engine Works, which have been idle for a considerable time, are being got into readiness for immediate operaconsiderable time, are being got into readiness for immediate opera-tions. It is intended to roll merchant bars and angles, fish-plates, and to turn out puddled bars. Several important orders have been received, and it has been arranged to employ about 200 hands. At Middlesborough, on Tuesday, there was a good attendance, and the market was very firm. No. 3, 41s. 9d.; some makers will only accept 42s. No. 3 for the remainder of the year. A demand for steel rails is expected from America within the next four months.

The chemical trade has improved a little on these rivers, and attempts have been made to secure better prices. The time has artical when this must be done by some months or many works must

reingts have been made to seem better prices. The time has arrived when this must be done by some means, or many works must of necessity be closed. No agreement has been arrived at amongst the local makers for reducing the make, but meetings have been held between delegates appointed by the trade and agents belonging to the Lancashire makers with a view to reduce the make considerably in both districts, and an arrangement of this kind, it is expected, will be shortly carried out.

will be shortly carried out.

A general meeting of the Northern Institute of Mining and Mechanical Engineers was held in the Wood Memorial Hall, Newcastle, on Saturday; Mr. G. B. Forster in the chair. Mr. E. Candler read a paper, "A Description of a Method of Surveying with the Loose Needle among Rails and other Ferruginous Substances." Some dis-Needle among Rails and other Ferruginous Substances." Some discussion took place on the paper, the subject being both interesting and important. The safety of mines and their successful working depends to a great extent on good and correct surveys and plans being made, and Mr. Candler's method will tend in this direction. A discussion also took place on the Diamond rock-drill, but further discussion will take place on these questions at a future meeting. The CUMBERLAND COAL FIELD.—This small coal field, so far as has yet been proved, extends from north to south, the total length being about 30 miles, and the total length from east to west does not appear to exceed 10 or 12 miles. "The coal seams generally are inferior; at all events, they cannot be compared with the goal ways.

inferior; at all events, they cannot be compared with the coal scams in the Northumberland and Durham field, yet, as they lie in close proximity to the valuable and extensive beds of hematite iron ore, they are of great value, being used for the purpose of smelting these ores." The coal field is also favourably situated for shipment of the produce at Maryport, Workington, and Whitehaven. Until lately only a small quantity of coke was made here, but this is being rapidly increased. The small coals are washed, and then many of the coals are washed, are dependently as ready. the coals are converted into very fair coke, which finds a ready market at the numerous iron furnaces which stud the district from Maryport to Whitehaven, &c. The boundary of the field is well defined on the south side and also on the east side; on the north side the coal seams, and apparently the coal measures, are cut of by the red sandstone beds, which appear in a wedge-like shape on the north side of Maryport, and, passing round in a semicircular shape towards Aspatria, the coal seams all disappear on approaching those curious beds.

The old miners say that the coal seams have been eaten out by the red sandstone; certain it is that they disappear either against this stone or shortly after coming in contact with it. In some cases those red heds do, we believe, overlap the coal scams to some extent.

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any well-defined dyke has ever been discovered extending over any great distance. No doubt some writers hold the opinion that those red beds are an older formation than the coal measures, and that the latter will not be found over that wide district which extends from Aspatria to Canobie, a distance of upwards of 50 miles; but many hold the contrary view, and appear to give very plausible reasons for this view of this important question. Those red beds can be traced from St. Bees on the the south; northwards, along the coast to Maryport, Aspatria, &c. At St. Bees one of the pits of Lord Lonsdale is sunk through the red beds and the coal measures, and valuable seams of coal are found below. At Gilcrux, a few miles north-east of Maryport, one of Mr. Mulcaster's pits was also sunk through these same red beds into the coal measure, and good seams of coal found. At the Ellenborough Colliery at Maryport the ten-quarter seam has been worked extensively, and on reaching a point under the north part of that town disturbed ground was met with, the seam deteriorated, and dip notches were met with, evidently indicating a large fault in front. It is possible that exploration in that direction might have solved this question.

Elaborate papers, with plans and sections, were contributed to the Transactions of the Northern Institute of Mining Engineers by the late Mr. Matthias Dunn, published in Vol. VIII., 1859-60, and in Vol. XIII., 1863-4, on this subject. Mr. Dunn held the opinion that these red beds overlie the 'coal series, and this opinion was also shared in by Mr. Nicholas Wood and other eminent authorities.

The late Sir Roderick Murchison held the opinion that these red beds were carboniferous, and it is worthy of note that in Cheshire red sandstone is found under exactly similar conditions to those we have noticed in Cumberland, and then the existence of the coal measure under these beds has been proved to a greater extent than has yet been done in Cumberland. Bore-holes of considerable depth have been made near Car any well-defined dyke has ever been discovered extending over any

REPORT FROM NORTH WALES, SALOP, AND CARDIGAN.

REPORT FROM NORTH WALES, SALOP, AND CARDIGAN.

Nov. 24.—The colliers, not content with the concession of weekly pay, are about to hold a meeting to decide upon the advisability of requesting a further advance in their wages. In North Wales the colliers may soon overshoot their mark in this, for it requires great economy in working to enable the owners to compete with the produce of the thicker seams of Lancashire. A sinking for coal, which has been going on for some time under the direction of Mr. R. S. France, near the old colliery village of Trefonen, about two miles from Oswestry, has been successful in reaching one of the lower coal seams, which is described as being a good household coal. I trust this result may be profitable to all who are engaged in the enterprise. There is scarcely any development of the coal resources of North Wales going on, and there is a total neglect of the eastern side of the coal field, in which direction the collieries of the future must lie. I remember more than 25 years ago stating at a public meeting at Ruabon that the collieries of the then future would be formed east of the turnpike road leading from that village to Wrexham, and I was laughed at for my pains. Now there are three great collieries on this land—thet/vauxhall, the Hafod-y-Bwlch, and Bersham—and time will doubtless develope more. The limestone quarries are active, and loaded trains of fluxing stone were seen on their way to the iron furnaces of South Shropshire and Staffordshire. The report of the meeting of the Bryn Dyh Mine Company is hardly complete without a reference to the energetic local agent, Capt. Thos. Williams. I am sure the engineers will agree with me that they have found an able coadjutor in him. Two now discoveries are reported from the mine—the discovery of lead in the explorations on the east and west lode, and on the back of the original lode in the quarry from which the stone for the buildings has been raised.

A very fine discovery of ore has been made at the North Cardiganshire (Talybont) m

I am glad to see that the explorations at the New Frince of Wales are likely to prove successful. Certainly the owners deserve success for their perseverance and patience.

Turning to Flintshire, it is pleasant to see that, notwithstanding the low price of lead, the North Hendre Mine has paid a dividend of 10 per cent. on the year's working. What is doing with the Queen of the Mountain and the South Prince Patrick, and also with the Prince Patrick Mine itself?

Among railway matters there is a movement for extensions and improvements in connection with the Wrexham Mold and Connah's Quay Railway, which may, I hope, prove a step in the direction of the completion of that scheme.

TRADE IN SOUTH WALES.

TRADE IN SOUTH WALES.

Nov. 24.—The steam coal trade well maintains its activity, and prices are firm, if not advancing. The amount sent away last week from Cardiff was 109,523 tons; Newport, 29,664 tons; Swansea, 8861 tons. A fourth attempt is being made to discover the Llantwit and Nantgarw seams within a few yards of the Newport, Caerphilly, and Rhondda Valley Railway, but it is probably destined to share the fate of the other three, as the coal, if found, will be like the gold mines of Devonshire, which require an expenditure of 3 per cent. to produce gold to the value of 2 per cent. The iron and steel cent. to produce gold to the value of 2 per cent. The iron and steel trades of South Wales, which lie mostly in Glamorganshire and Monmouthshire, are well supplied with orders, and there is no apprehension of a falling off at present. Cardiff sent away last week 1241 tons, while 9047 tons of ore, principally Spanish, were received. Application will be made to Parliament next Session for new docks at Cardiff and Newport, and the Milford Dock Company will apply for an extension of time; new railway undertakings will apply for an extension of time; new railway undertakings will apply for an extension of time; new railway undertakings will will apply for an extension of time; new railway undertakings will be promoted, having local connections by the Great Western Company, the Taff Vale, the Rhymney, the Rhondda Valley, and Swansea Bay; the Pontypridd, Caerphilly, and Newport; the Glyncorrwg Rhondda and Swansea Junction; the London and North-Western; the Glangammarch and Neath and Brecon Junction; the Thames and Severn Canal; the South Wales and Severn Bridge; the Whit-land, Cronware, and Pendine; the Midland; and the Manchester and Milford. Applications will also be made by the Milford Haven Lighting and Water Supply Company and the Tredegar Water and Gas

The inquest at Dowlais on the body of George Rosser, who was killed by an explosion of gas in No. 1 Vochriw Pit, by which four others were burnt, on Sept. 29, is now closed. The Deputy Coroner, in summing up, said he would not again go into the controversy whether

manner. There was a provision in the Mines Regulation Act by which the inspector could call upon the company to adopt his suggestion, and if the company folion the clinines to do so they could not feel inclined to a feeling of the meeting, and no one voted against enducing the value of the shares.

The Channel Tunnel experimental works at the Shakespeare Cliff shaft are progressing satisfactorily. Up to the present time there has been no change in the nature of the shares.

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The Channel Tunnel experimental

REPORT FROM DERBYSHIRE AND YORKSHIRE.

REPORT FROM DERBYSHIRE AND YORKSHIRE.

Nov. 24.—The Iron Trade has undergone no change of late, but the production has considerably increased in the adjoining county, whilst the demand has kept pace with the output. A good deal continues to be sent away for rolling and other purposes. Finished iron has also gone off better, there having been a considerable increase as regards merchant iron in particular. At the steelworks business is as active as ever, so that the steel makers and rollers are employed to the full extent of the machinery and appliances. The Coal Trade continues good, so that the collieries are now looking well; but as yet there has been no general advance of wages, although it is stated that at some few places a rise has been given; but it may be said that uniformity in the prices paid for getting coal is out of the question, so much does one colliery vary from another. Just now most is being done in house coal, and the trade with the Metropolis has been active, especially for Clay Cross, Eckington, Grassmoor, Blackwell, and Staveley. Several of the owners of the collieries sending to London have their own agents, and so sell direct to consumers, and it would be well were others to do the same. As it is during the summer months the owners of coal mines had to sell without profit, whilst the merchants at the same time did well, for they were and summer months the owners of coal mines had to sell without profit, whilst the merchants at the same time did well, for they were and are now able to fix the prices which consumers have to pay irrespective of the charges at the prices which consumers have to pay irrespective of the charges at the prices which consumers have to pay irrespective of the charges at the present time is for Wallsends delivered 26s. per ton, and for Silkstone 24s. per ton. Were the colliery owners able to sell direct to the consumer the latter would not have to pay more than 24s. and 22s. per ton, whilst the profit of the sellers would be much higher than the colliery proprietor now receives. But so long as there are the intermediate men or merchants to secure the profits, so long will the Metropolitan consumers have to pay an excessive price for their coal. Steam coal has been going off favourably for the time of year, for shipments are now declining. The quantity, however, required for the iron furnaces and locomotives is still large. Gas coal has been sent away in rather larger quantities, and a steady business continues to be done in engine fuel and some descriptions of small coal. In coke there has been no change, so that all that is made sells without difficulty, and it is rather surprising that more is not produced, seeing that some has to be imported for smelting. The coal at most of the collieries is well suited for coking and leaves a fair profit all the year round, which is more than can be said with respect to the coal itself.

In Sheffield the trade is good all round the heavy as well as the

seeing that some has to be imported for smelting. The coal at most of the collieries is well suited for coking and leaves a fair profit all the year round, which is more than can be said with respect to the coal itself.

In Sheffield the trade is good all round the heavy as well as the light branches, being as a rule active. Of late there has been a considerable increase in the production of pig, and the stocks held by some of the makers have gone down. A considerable quantity of hematite pig is brought from a distance, for the requirements of steelments have increased in a marked manner of late. Makers of Bessomer rails are as busy as ever, and some heavy orders have just been booked for them; and the same has been the case as regards tyres, axles, and other descriptions of railway material. The mills engaged on plates for ships and boilers, as well as on wire, sheets and hoops, have all been doing well. Steel plates for boilers, as well as for steam vessels, continue to be more enquired for, and this branch promises to be far more active than it has yet been. Armour-plates, iron and steel, are being largely turned out at Brown's and Cammell's, those two companies having between them the entire manufacture of those composite plates secured by patents. The cutlery houses are well employed, and there will now be considerable activity up to the Saturday before Christmas Day, and the "Bulling" (or working well of late, and so also have scissor-makers, a branch in which there is a good deal of competition on the part of the Germans. At the foundries a steady business continues to be done, and some of the engine works are also better off.

The coal trade of South Yorkshire is in a healthy state, and large quantities of soft coal are being sent away to the south, whilst the local sales are also good for the season. Steam coal is being pushed forward to the Humber for shipment to the North of Europe, the Baltic being open to a later period than usual, whilst a good deal is also being sent away to the works in North Li

THARSIS SULPHUR AND COPPER COMPANY.—A special meeting of shareholders was held in Glasgow on Thursday to consider a series of resolutions to reduce the capital of the company. The following proposals were unanimously agreed to:—"That the capital of the company be reduced from 1,236,660, divided into 123,666 shares of 10l. each (of which shares 91,806 have been paid up, and upon 31,100 of which shares 7l. per share only has been called and paid up, and of which shares 670 remain unissued), to 1,174,460l., divided into 117,446 shares of 10l. each, and that such reduction be affected by reducing the liability on each of the 31,100 shares after 1l. per by reducing the liability on each of the 31,100 shares after 11. per share shall have been called and paid up to the extent of 21. per share, and exchanging four paid-up shares of 101. each for five shares of 81. paid, of the said 31,100 shares; that after the capital of the company shall have been reduced it shall be increased to 1,250,0001, divided into 125,000 shares of 101. each, by the creation of 7554 new shares; that the funds to be realized from the call on of 7554 new shares; that the funds to be realised from the call on of 7554 new shares; that the funds to be realised from the call on others were burnt, on Sept. 29, is now closed. The Deputy Coroner, in summing up, said he would not again go into the controversy whether it would be better to use safety-lamps instead of naked lights. The inspectors entertained one opinion and the managers of the Dowlais shares. The Chairman of the company, Mr. Tennant, M.P., said Collieries another. The question must be brought forward in a proper | that the French shareholders had expressed a very earnest desire to

THE PESTARENA UNITED GOLD MINING COMPANY (LIMITED). TEN PER CENT. SECOND MORTGAGE DEBENTURE BONDS.

TEN PER CENT. SECOND MORIGAGE DEBENTARE HOADS.

Notice is hereby given, that the Coupon No. 6 of the Ten Per Cent. Second Mortgage Debenture Bonds of this company will be PAID at this office on and after the 39th day of November, 1881.

By order of the Board, RICHARD GARLAND, Secretary.

Office: 5, Queen-street-place, London, E.C., Nov. 25, 1881.

THE BROADWAY GOLD MINING COMPANY

(LIMITED).

BIR,—I beg to give you notice that in pursuance of the provisions contained in the Companies Act, 1867, the FIRST ORDINARY GENERAL MEETING of this company will be HeLD at this office, on WEDNESDAY, the 36th inst., at Haif-past Twelve o'clock precisely.*

I have further to notify to you that the offices of the company have been removed from 85, Graecchurch-street to the above address, and that Messrs. John Taylor and Sons have accepted and assumed the management of the company.

Mr. Woodford's services as acting secretary having terminated, I have been appointed secretary of the company.

The share certificates are now ready for delivery in exchange for the bankers' receipts.

By order of the Board.

H. SWAFFIELD Secretary

By order of the Board, H. SWAFFIELD, Secretary, 5, Queen-street-place, London, E.C., 22nd November, 1881.

* This is the statutory meeting directed to be held by the Companies' Act, 1887, within four months after the registration of the company.

R I O T I N T O C O M P A N Y

(LIMITED).

TO THE PROPRIETORS.

GENTLEMEN.—Your Directors have the pleasure to announce that the SPECIAL RESOLUTION for the CREATION of the ADDITIONAL 100,000 SHARES of £10 each was DULY PASSED at the Extraordinary General Meeting, held on the 4th instant, and confirmed at the subsequent General Meeting of the 18th.

These shares have accordingly been created as a second or second

ing, held on the 4th instant, and confirmed at the subsequent General Meeting of the 18th.

These shares have accordingly been created, and, in pursuance of the powers conferred upon them by the Second Resolution, passed on the 4th instant, your Directors have disposed of them in a manner that will ensure to the whole proprietary the full measure of advantage to be derived from the conditions under which they have been placed.

The creation of these additional 160,000 shares being thus an accomplished fact, your directors are about to proceed with the redemption of the Company's Five Per Cent. Mortgage (Spanish Coupon) Bonds, the withdrawal of which was the main object of the fresh capital.

In view of the possibility of your holding some of these Bonds, a copy of the notice of their redemption, and a list on which to present them for payment, are enclosed herewith.

H. M. MATHESON, Chairman.

2, Copthall Buildings, London, 19th November, 1831.

LA PLATA MINING AND SMELTING COMPANY.—
The Board of Directors have DECLARED the usual MONTHLY DIVIDEND of \$15,000, or SEVEN AND A HALF CENTS PER SHARE, out of the profits for the month of October, PAYABLE, on THURSDAY, December 1st, leaving at credit of reserve fund \$63,240.98.

F. ANDREWS, London Registrar.

MESSRS. C. WILLIAMS AND SON, MINING ENGINEERS AND SURVEYORS, TRERDDOL, GLANDOVEY, R.S.O.,

Are in a position to enter into private negociations with persons desirous of securing sound Mining Investments in Cardiganshire and North Wales, having a large MINING PROPERTY FOR SALE, capable of making immediate returns and profits. Capitalists will do woll to consult the above before laying out money in the districts named.

Forty Years' practical experience.

MICHAEL WILLIAMS BAWDEN, MINING AND ASSAYING OFFICES, LISKEARD.

Having had 32 years' experience in Mining, is prepared to ADVISE on the MINES in DEVON and CORNWALL, as well as the late schemes and resuscitation of old Mines. A Selected List for investment.

BUYER of Phonix United, South Crofty, West Basset, Wheal Grenville, and Wheal Cruy shares.

ESTABLISHED 1863.

ESTABLISHED 1563.

MR. THORMAN WOODDWARD,
STOCK AND SHARE BROKER,
TRURO,
Recommends purchase of EAST CHIVERTON, NORTH BUSY, WHEAL UNY,
and WEST TOLGUS as low priced Shares likely to have a great rise.
WEST TOLGUS—Copy of Special Report hereon, stamps 25, 6d.
Business in the leading Cornish Tin Mine Shares.

CORNISH AND DEVON MINES.—PRO BONO PUBLICO.
All high priced shares should be sold in favour of those who think otherwise; and many at mere nominal prices should be bought for large profits experience teaches. Advice on business. Established 1385.

H. B. RYE, SHAREBROKER, 74, CORNHILL.

HORACE J. TAYLOR, STOCK AND SHARE DEALER, 35, GREAT ST. HELEN'S, LONDON, E.C.
October Circular now ready, and can be had on application.
BANKERS: The CENTRAL BANK OF LONDON (Limited).

PENNINGTON AND CO., SWORN BROKERS,
7, MOORGATE STREET, LONDON, E.C.,
Transact business in every description of Stocks and Shares.
ESTABLISHED 1869.—BANKERS: ALLIANCE.
TREVINCE CONSOLS.—These shares should be bought at once. Full particulars on application.

lars on application.

MR. F. W. L. GRAHAM, MIDDLESBOROUGH, BROKER FOR THE SALE OF IRON ORES, FERRO-MAGANIFEROUS ORES, PLUMBAGO, BAUXITE, REFRACTORY BRICKS, LEAD, ZINC, COPPER, and TITANIFEROUS ORES and ASHES, SALTS, PHOSPHATES, &c.

M R. CHARLES J. SIMS
MINING AGENT, STOCK AND SHARE DEALER,
2, DRAPER'S GARDENS,
LONDON, E.C.

		LEAL	0 1	3 E	S.	
Date.	Mines.					Purchasers.
Nov. 19-1	Foxdale	100	£11	18	6	 Sheldon, Bush, and Co.
20-1	Pierrefitte	50	8	10	6	 Quirk, Barton, and Co.
22-6	Court Grange	12 1	3 12	17	0	 Nevill, Druce, and Co.
24-2	Assheton United	20	9	17	0	 ditto

BLACK TIN.

Tons. c. q. lb. Price p. ton. Amount. Purchasers. ... 8 10 1 15 ... £65 12 6 ... £559 1 5—Redruth Co.

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Agents

M

WATSON BROTHERS,

MINEOWNERS, STOCK AND SHARE DEALERS &c. 1, ST MICHAELS ALLEY, CORNHILL, LONDON

MINEOWNERS, STOCK AND SHARE DEALERS &c.

1, ST MICHAELS ALLEY, CORNHILL, LONDON.

WHEAL ARGUS.—Some 10 years ago when tin was at 80%. to 90%, per ton we introduced through the columns of the Mining Journal a very promising young tin mine called Wheal Argus. The reports which led us to do so were those of the late Capt. Chas. Thomas, of Dolcoath, and others of the greatest practical authority who spoke of the mine in the highest terms. One agent of high standing and authority recommended it to us as one of the best speculations he had seen in Cornwall. A company was then formed in 6000 shares, a call of 10s. per share was made, and shares rose soon to 1%. 10s. each, or 1% prem. A large expenditure was made at the mine in steam machinery and stamps, but by the time this was all complete and the shaft had been sunk to the heart of the ore ground tin dropped to 40% per ton, and half the tin mines in Cornwall were ruined. Up to this time we had sold tin for 1236%. 18s. In 1870 we got 85% per ton. We had spent 5000% upon the mine, and as treasurers it owed us money, and when we found like too many mines, that with tin at 40% per ton it was impossible to make it pay, we suspended operations, allowing the debts to us to stand over, and have ever since out of our own pockets paid the necessary sums for taking charge of engines and machinery and rent of account house. All this time we have patiently waited, with full confidence in the mine itself, to see tin ore reach 60% per ton, and at last the time has arrived. In July, 1876, things looked so bad that we had some thoughts of calling a meeting to sell the machinery and wind up, but the agent, Capt. Trahair, who has ever since had charge of the property, wrote to us—"With regard to the machinery on the mine it is in its place to work again, but if pulled up aud sold would not bring half the money it cost. To show you what confidence I have in the mine I am prepared to take 1-30th part of the mine, as I believe it to be a valuable property should the price of tin go to 6 learn that the time has come for re-starting the company. For this purpose a meeting will be called, and we propose to sub-divide the mine into 12,000 shares, that is create 6000 in addition to the original 6000 and issue them pro rata to present holders at 6s, each. This will raise 1800t., pay all debts, and leave ample capital to begin upon. If any of the shares so offered pro rata are not taken up by old holders we shall offer them to our friends.

At Carnarvon Copper the western stope is worth 5 tons of ore per

Wheal Crebor will sample this week 400 tons of good quality ore. The lode in the 120 east is 10 ft. wide, with fine rocks of ore.

The copper lode has been cut in the 70 cross-cut, north at Polrose 15 inches wide, composed of copper ore, blende, &c., and is in a pretty

It will be seen from the report of East Blue Hills that the workings on the Pink lode in the adit have been reached, and the lode may be seen in a few days. Another good thing has been found out—the adit has been extended 20 fathoms further south towards the West Kitty lode, which is a most important feature.

NORTH CARDIGANSHIRE MINES.

MR. J. PELL, M.E. (Thirty Years' experience), has SPECIAL dealings in SHARES of several GOOD MINES in this District, SOME GOOD SILVER-LEAD MINING SETTS TO DISPOSE OF.

WANTED, a CAPITALIST, to join in ERECTING MACHINERY to return TIN AND COPPER,—a SPLENDID MINE. Numerous lodes centre of richest district in CORNWALL; great reserves of ore above adit levels. Ample water-power. Railway runs through the sett. Royalty, 1-24th. Bankers: National Provincial Bank of England, Aberystwith.

Address,-TALYBONT, GLANDOVEY, R.S.O.

M. R. CHARLES ROWE, who has been engaged prospecting for Gold in the Wynaad during the past nine months, expects to ARRIVE in ENGLAND about the 25th of November. He has visited all the Mining Properties in the Tambracherry Group, the Cherambadi District, and those about Pandulin and Devalah; also visited the Colar Mines, and will be in a position to GIVE ACCURATE AND BONA FIDE INFORMATION as to PROSPECTIVE VALUE. Letters, address to him, care of Mining Journal Office, No. 26 Fleet-street, will receive immediate attention on return. Madras, October 17, 1881.

P.S.—For intimacy with work, see Mining Journal issue of May 21, 1881.

REEVES \mathbf{C} . (ESTABLISHED 1872.) STOCKBROKERS, 19, WALBROOK, LONDON, E.C

INVESTMENTS IN STOCKS AND SHARES.

Purchases and Sales of Home, Foreign, and Colonial Stocks and Shares mad at the closest market prices either for cash or the fortnightly settlement.

LOANS.

Advances made on Stocks, Shares, and other negociable Securities at equitable rates of interest.

Speculative accounts opened on favourable terms.

Special Business in Gold Mining Shares.

C. T. R. and Co.'s Monthly Price List and Report on the Stock Markets sent post free on application.

ESSRS. H. R. LEWIS AND BARTHOLOMEW HOUSE, BARTHOLOMEW LANE, LONDON, E.C., MINING ENGINEERS, EXPERTS, AND DEALERS.

and and Experienced Advice in the Selection of Mining Securities—Home Foreign. Weekly Price-List free on application.

CHANGE OF ADDRESS.

RED. W. NORTH, F.G.S., LAND AGENT AND MINING ENGINEER, Member Inst. North of England Mining Engineers, Inst. Mechanical Engineers, Royal Colonial Institute, late Mining Engineer for the Governments of Care Colony and Nation Governments of Cape Colony and of Natal

ROWLEY HALL, NEAR DUDLEY, STAFFORDSHIRE. 34, CLEMENT'S LANE, LOMBARD STREET, LONDON, E.C.
Telegrams: North. Rowley Hall, Rowley Regis.

Agent for Lessors' Mineral Rents; Reports and Valuations of any Mineral Property; Parish Assessments for Poor Rates; Regoritations for Development of Mining Estates; Management of Collieries and Mines; Consultations as to Value of Mining Companies; and regular advices as to the Diamond Mines of South Africa.

MR THOMAS CORNISH, CONSULTING MINING ENGINEER
Twenty-five Years Practical Experience in Autralian Gold Mining and
Management.

Advice on Gold Mining Investment.

Author of "Gold Mining: its Results and its Requirements,"

109, FENCHURCH STREET, LONDON, E.C.

JOHN THOMAS, STOCK AND SHARE BROKER, (On commission only.)
Mines inspected and faithfully reported on. Mining Machinery valued,
Estimates given for the erection of Mining Plant,
Twenty Years' Experience.
Advice given as to Buying or Selling Mine Shares.

ADDRESS-REDRUTH, CORNWALL.

SALE OF MINE MACHINERY AND MATERIALS

TUESDAY, DECEMBER 67H, 1831.

MESSRS. HANCOCK AND SONS have received instructions
TO SELL, BY AUCTION, on Tuesday, December 5th, 1831, at Crimils,
in the parish of St. Austell, in the county of Cornwall, the WHOLE of the

VALUABLE MINE MACHINERY, MATERIALS,
AND PLANT
Of the GREAT CRINNIS AND CARLYON CONSOLIDATED MINES,

Of the GREAT CRINNIS AND CARLYON CONSOLIDATED MINES,

An excellent 50 in. cylinder PUMPING ENGINE, 10 ft. stroke in the cylinder, and 9 ft. in the shaft, including a good brass air pump; two boilers, about 10 tons each; one excellent balance bob, with King and Queen's post and straps, complete; one 14 in. horizontal engine, 2 ft. stroke, with winding gear, complete; one every good crusher, 22 in. diameter rolls, with raft wheel, &c.; balance bob; underground angle bob, 6 ft. stroke; about 110 fms. of 2½ in. iron flat rods, pins, &c.; about 120 fms. of 3½ in. new steel wire rope; about 5 tons of best fron strapping plates; one 12 ft. 12½ in. plunger pole; one 9 ft. 8 in. ditto; one 12½ in. stuffing box and gland; one 8 in. ditto; two 13 in. tp odeor pieces; clacks, and seatings; one 9 in. ditto; two 13 in. top door pieces; one 9 in. ditto; one 9 ft. 10 in. plunger pole; two 12 ft. 7 in. ditto; one 10 in. tsuffing box and gland; two 7 in. ditto; one 9 ft. 10 in. tp odeor piece; one 8 in. ditto; one 5 ft. 8 in. ditto; one 9 ft. 13 in. windbore; one 6 ft. 8 in. ditto; one 6 ft. 7 in. egg-poll ditto; two 12 ft. 12½ in. workings; one 12 ft. 7 in. ditto; two 6 ft. 9 in. do; fiteen 9 ft. 9 in. ditto; fiteen 9 ft. 9 in. ditto; shout 6 tons of bridge and other rails; iron taps and plates.

Sale to commence at Eleven o'clock in the forence.

Sale to commence at Eleven o'clock in the forenoon Great Crinnis and Carlyon Consolidated Mines, St. Austell, Cornwall, are tuate about two miles from the St. Austell and Par Rallway Stations, For further particulars, apply to the Agents on the Mines; or to—

HANCOCK and SONS, Auctioneers and Surveyors.

Dated Sydney-place, St. Austell, 21st November, 1881.

PUMPING MATERIALS FOR SALE.

THE WHITBURN COAL COMPANY, having completed the Sinking of their Marsden Pits by the Kind and Chaudron process, have the following MATERIALS TO DISPOSE OF:— Sundries.

1 double cast iron Quadrant, 9 feet centres.

2 single ditto ditto 6 do 2 east iron Cranks, 3 ft. centres.

2 short Connecting Rods, 15 ft. centres.

2 short Connecting Rods, 6 dos.

7 Crab Sheaves and Carriages.

3 5 ft. crab sheaves.

the following MATERIALS TO DISPC
20 inch Sets.
26 21 in. cast iron Pumps, 10 ft, long.
2 21 in. short Pumps.
3 20 in. Buckets,
3 20 in. Buckets,
3 20 in. Clacks.
2 large Windbore Strums,
8 sets of ground Sheaves.
6 pairs of Pump Clamps,
2 pairs of Pump Glamps,
30 inch Sets,
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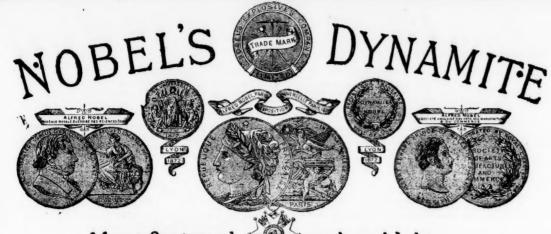
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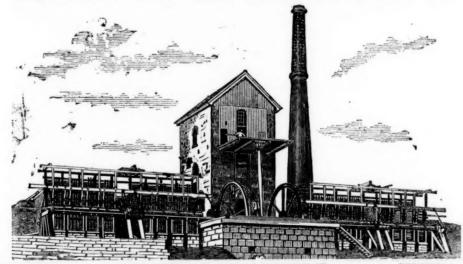
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54000	Drigon, g, Oregon, U.S. (pref. sh.) 4 0 0 100 150 150 150 150 150 150 150 150 150
1 328880	
225000 40000	Ditto, shares 10 0 0 23 27½ 28½ 0 18 0 0 8 0 Nov. 1880 Santa Barbara, g, Brazil 0 10 0 0 0 11 9 0 1 0 June 1880
80000	Ditto, New
22500	Sentein, * \(\cdot \clos l, \) Ariege, France
40625	Ditto, New Ditto, New Ditto, New Ditto, Plumas Eureka Ditt
100000	So. Indian,* g , Madras (fully pd.)† 1 0 011 $\frac{1}{16}$ $\frac{1}{2}$ $\frac{1}{2}$ 0 4 0 0 4 0Aug. 1831 St. John del Rey*†(£5 Stock and multiples dealt in) 210 220 5 p.c. for half-year, Dec. 1881
92566	St. John del Rey*†(£5 Stock and multiples dealt in) 210 220 5 p.c. for half-year, Dec. 1881 Tharsis, *c, sul, Spain (31000 s. 7l.p.)† 10 0 0 4544½ 45½ 6 10 0 2 10 0June 1881
20000	Tolima, g, s, Colombia
25000	Victorine (Nevada, U.S.) Deb. Bds 1 0 0 — 0 13 10 0 0 8Feb. 1881 Victorine (Nevada, U.S.) Deb. Bds 1 0 0 — 0 0 6 6 0 0 6 6Sept. 1881
15000	Western Andes, s. Colombia 5 0 0 2 18 0 0 2 6 Aug. 1880
2100	W. Prussian (5500 pref. sh. £10 pd.) 10 0 0 10 9 10 4 2 0 0 8 0Apr. 1881
	9 Have made calls since .ast dividend was paid.
74	

NON-DIVIDEND BRITISH MINES.	
Shares. Paid. Last k. Clos pr 30000 Alston United.* l, Cumberland 1 0 0 4 12 12000 Assheton, l, Carnarvonshire* 5 0 0 4 12 12000 Assheton, l, Carnarvonshire* 5 0 0 4 12 12000 Assheton, l, Carnarvonshire* 12 12000 Assheton l, Carnarvo	1
30000 Alston United,* l, Cumberland 1 0 0 34 1/2 12000 Assheton, l, Carnarvonshire* 5 0 0 34 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	1 3
36000 Basset & Buller Cons., * c, t, Hlogan. 1 0 0	١.
11583 Bedford Unit., * c, Tavis.(£1 liab.) 0 10 0 134136 134	1
11583 Bedford Unit., *c, ravis,(E1 inac) 0 10 0 123	
30000 British, * s-l, bl, Wrexham	
30000 Blackburnbanks & Gildersdale, i 0 5 0 75 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1
25000 Callington Consols*, t	8
50000 Carn Camborne, t, c, Camborne 1 0 0 1 1/2	1
20000 Carnarvon,* c, Carnarvonshire 1 0 0 1 1	1
50000 Carn Camborne, t, e, Camborne	1
6000 Cathedral Cons., c, t, Gwennap 0 13 0 —	
20000 Central Foxdale, 2, Isle of Man. 1 17 6. 24 2 24 2 55000 Coed-y-Fedw&Panty-Buarth, 2 1 0 0. 15 1 15 245 Cook's Kitchen, t, Illogant, 30 14 9. 294 275/238	1
25006 Coed-y-Fedw&Pant-y-Buarth,* 1 1 0 0 1½ 1 1½ 2450 Cook's Kitchen, t. Illogant	4 3
2450 Cook's Kitchen, t, Illogant	2 1
15500 Court Grange United*, s-l	1 1
14000 Crosswood Mining Lands, 1* 1 0 0 114 14	10
45000 D'Eresby Mountain, l, bl, Llanrwst. 0 10 0 — 20000 Denbighshire Consolidated, l 3 0 0 —	1 ;
20000 Denbighshire Consolidated,* l 3 0 0 12000 Derwent,* l, Durham	1
50000 Devon,* c, bl, Tavistock	1 1
50000 Devon, *c, bl, Tavistock	1
1 5 0 15 17 12000 Devon Great United* (24, shares) 1 5 0 15,6 1 17 50000 Drakewalls,* t, c Calstock 1 0 0 24 56 7	
10000 Dubby Syke, l, Durham*	. 5
10000 Duby Syke, I, Durham*	
6000 East Botallack, t, St. Just	4 .
6144 East Caradon, c, St. Cleer J	
12000 East Blue Hills, \$, St. Agnes 0 5 0 24 38 3 1 6000 East Botallack \$, \$t. Just 0 8 0 1 1413 1 1 6144 East Caradon, \$c\$, St. Cleer\$\$, 4 3 6 34 14 4000 East Chiverton, \$t. Perranzabuloe 1 0 7 3 2413 24 3 3 5 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
12000 East Crebor, c, Tavistock 0 11 6 16 16 11	
15000 East Devon Cons., * c, Buckfastlgh. 2 0 0 3 2½ 3 30000 East Herodsfoot. *-l, Liskeard 1 0 0 1½ 1 1½	1
30000 East Herodsfoot, s-l, Liskeard 1 0 0 1½ 1 1½ 20000 East Long Rake,* l, Wales 1 0 0 1½ 1½ 1½	1
2000 East Long Rake, '', Wales 21000 East Roman Gravels, 't, Salop 0 15 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1
18000 East Van, l, Llanidloes* 5 6 0 1½ 1 1½ 2043 East Wheal Lovell, t, Helston 15 13 6 3 3 3½	1
2048 East Wheal Lovell, t, Helston 15 13 6 3 3 33, 100000 East Wheal Room s-t, Newlyn East 0 10 0 —	1 1
45000 D'Eresby Mountain	1
14000 Glenry 3000 Gobb 14000 Glenry 14000 Gl	, ,
30000 Gobb, Dartmoor	
10000 God Ads, l, b, Carnarvon 1 0 0 1½ 1 1½ 32000 Goginan, l, Cardiganshire 1 0 0 1½ 1 1½	
25000 Goodevere, t, St. Cleer	
20000 Great Dyliffe* (10000 sh. issued) 1 0 0 11/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	
100000 Great Polgooth United,* t 1 0 0 1 1/4 1	
6000 Great West Chiverton, I, St. Agnes. 0 5 0 34 34 3	8
10000 Gwern-y-Mynydd, * s-l, Flint(pref.) 4 0 0 — 70000 Gwydyr Amal. * l, bl, Carnarvon 1 0 0 —	1
70000 Gwydyr Amal.* <i>t, bl</i> , Carnarvon 1 0 0 12000 Herodsfoot, <i>t</i> , near Liskeardt 0 10 9 54 34 5 18000 Hingston Down, <i>c</i> , Calstock*† 0 12 0 134 134 3 20000 Kirkmichael,* <i>t</i> (2000 unissued) 1 0 0 134 1 1 1 6000 Killifreth, <i>t</i> , Chacewater 4 1 6 134 134 135 25000 Kit Hill Gt. Cons.** <i>c</i> , <i>ars-m</i> , (2 <i>l</i> . sh.) 0 15 0 24 4 7 5 7 5 7 5 7 5 7 5 7 5 7 7 7 8 7 7 8 7 7 7 8 7 7 7 8 7 7 7 7	6
18000 Hingston Down, c, Oalstock*†	
20000 Kirkmichael, * l (2000 unissued) 1 0 0 1½ 1 1½ 6000 Killifreth, t, Chacewater	B
6000 Killifreth, t, Chacewater	6 1
15000 Lady Ann, * s-l, Llanarmon	6
30000 Lady Ashburton, s, Callington 1 0 0 158136 15	
15000 Lady Bertha,**c, Tavistock 1 0 0 25000 Langford,**s,c, Callington 0 10 0 1	
2500 Levant, c, t, St. Just	5/8
15000 Llandegla,* l, Wales 1 0 0 1½ ½ 1 10000 Lomax,* s-l, Helston 1 0 0 1½ 1 13	/
10000 Lomax,* s-l, Helston 1 0 0 1½ 1 13 5120 Lovell, t, Wendron 0 16 0 1½ 1 13	4
9000 Marke Valley, c, Linkinhorne 6 8 6 1361 1 1	3
6000 Medlyn Moor, t, Wendron 3 15 10	1
28000 Mid-Devon,* c (& 17000, 3s. 4d. pd.) 0 8 3 — 20000 Mona Consols,* c, Anglesea	16
15000 Monkstown,* man, Devon	8
20000 Mostyn Consols,* s-l, Flint 1 0 0	
10000 Mynydd Gorddu, I, Cardigan*	
1 0 0 74 56 74 80000 Mounts Bay, * c, t, Breage 0 10 0 34 34 34 34 34 34 34 34 34 34 34 34 34 34	6
20000 Moseyn Consols, 3, Filt. 10 0 0 4 334 4 12000 Morfa Du, 2, g, s, Anglesca* 1 0 0 74 56 7 8 6000 Mounts Bay, c, t, Breage 0 10 0 34 54 5 6 14 Mount Carbis, t, c, Redruth 1 0 0 34 34 3 3 4 3 4 5 10 5 10 6 10 6 10 6 10 6 10 6 10 6 10	6
2400 New Cook's Kitchen, t, Illogan 8 1 0 5 5 5	1
8000 New Dolcoath, t, c, Camborne* 3 0 0 — 10000 New Holmbush,* t, c, Callington 2 0 0 —	
10000 New Holmbush, * t, c, Callington 2 0 0 8000 New Kitty, t, St. Agnes 0 10 0 2½4 1½ 2 12000 New Penrose, * t, c, Helston 1 0 0 1½ 1½ 1	
12000 New Penrose, * t, c, Helston 1 0 0 114114 1	36
3500 NewTincroft,* t, Lelant	16
2000 New Trumpet. t, Wendron	-
3000 New Wheal Peevor, t, Redruth 0 10 0 34 14	
35000 New Wye Valley, l, Montgomery.* 1 0 0 14 34 1 20000 North Alfred, c, Phillack 0 10 0 13414. 1	14
3500 NewTincroft,* t, Lelant	36
12000 Gast Wireal Bost s.t. Newlyn East 0 10 10 10 12 13 14 14 14 14 14 15 15 16 16 17 17 18 18 18 18 18 18	
	-

NON-DIVIDEND MINES Prod. Lart vk. Clos sp.
Shares, Paid, Last wk, Clos p. 10000 N. D'Eresby Mount., * l, bl, Carnary, 1 0 0 114 1 112
10000 N. D'Eresby Mount.,* l, bl, Carnarv. 1 0 0 1½ 1 1½ 25000 North Goginan, l, Cardiganshire 1 0 0 1½ 1 1½ 1 1½ 6400 North Green Hurth *(3.4-0.1) and 0 0 1½ 1 1 1½ 1 1 1½ 1 1 1½ 1 1 1½ 1 1 1½ 1 1 1½ 1 1 1 1
6400 North Green Hurth,*(34.0 11. pd.). 0 2 6 1 78 1
12000 North Herodsfoot, l, Liskeard 0 8 6 1/2 3/3 1/2 50000 North Molton, c, mn, t, Devon 1 0 0 —
50000 North Molton, * c, mn, *, Devon 1 0 0 6000 North Penstruthal, t, c, Gwennap 1 19 6 1½ ½ ¾
2936 North Treskerby, c, St. Agnes 8 17 10
8000 Northern,* l, Durham
80000 Old Shepherds s-l, Cornwall 0 10 0 1½ 1 1½
12000 Pandora, * I, Carnarvon
11612 Pant-y-Mwyn,* l, Mold
12000 Pandora, * t , Carnavon
6000 Pedn-an-drea, t, Redruth
12000 Pelyn Wood, c, Lanivery
30000 Penhale and Barton, * t, St. Columb 1 0 0
12000 Pelyn Wood, c, Lanivery
15000 Perran Consols, *s-l
10000 Polrose, t, Cornwall 0 13 6 34 36 34
10000 Port Nigel,* s-l, Carnarvonshire 2 0 0 2 1½ 2* 6000 Prince Royal, t, c, s-l, St. Agnes 1 0 6 1½ 1½ 1½
6000 Prince Royal, 5, c, s-t, St. Agnes 1 0 6 14 1.1 11 1200 Prince of Wales, c, s, Castook 0 13 0 26 54 15000 Royalton, st., St. Columb
15000 Royalton, *t, St. Columb
38000 Russall United, *c, Tavistock 0 15 6. 1½. ½. ½. 1½ 30000 Silver Hill *Callington 0 10 0 ½. ½. ½. 5 50000 Sinclair, * ½. ½, Whitford 1 0 0 1½ 1 ½.
30000 Silver Hill, Callington
40000 Sortridge, * c, Horrabridge
6000 South Carbis, t, c, Redruth
35000 So, Devon Unit.,* c, Buckfastleigh. 1 0 0 13 15.
6000 South Penstruthal, t, c, Gwennap 1 17 6 34.
40000 South Wheal Crebor*, c, Tavistock 1 0 0 1 34 1
40000 South Wheat Crebor", c, Tavistock 1 0 0 1 34 1 2043 South Wheat Crofty, c, Illogan 19 14 0 10½9½ 10 40000 Tamar, s-t, Bearalston*
43000 Tamar, s-l, Bearalston*
110000 Tankerville Gt. Consols, t. Salop*, 0 15 0. 56 2 3 4 3 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
20000 Tin Hill,* t, St. Stephens
10000 Temple, * I, Cardigan
12000 Trevince Consols, t, c, Gwennap 0 5 0 14 4 4 6000 Trugo, c, 8t. Columb 0 8 0 15 15 14 14 1000 Truy-Fron. t, Cardiganshire 1 0 0 14 1 1 1 3 35000 Un. Van & Glyn, t, (& 17500 pref. sh) 1 0 0 36 4 4 4
10000 Tyn-y-Fron,* l, Cardiganshire 1 0 0 12 1 13 35000 Un.Van & Glyn,* l, (& 17500 pref. sh) 1 0 0 34 4 34
1000 Vaughan, * 1, Cardiganshire
1000 Victor, * I, Olicen, Flintshire
20000 Vincent,* t, Altarnum
12000 West Assheton, I, Carnarvon 1 0 0 2 1 2
12000 West Caradon, c, St. Cleer
12000 West Crebor, c, Tavistock 0 5 7 14 34 1024 West Devon Consols, c, Calstock 1 0 0 1 14 1 14 1000 West Godolphin, t, c, Breage 0 17 6 2 4 2 2 4 2 2 2 4 2 2 2 2 2 2 2 2 2 2
12000 West Crebor, c, tavistock 0 5 45 36 36 10240 West Devon Consols, c, Calstock 1 0 0 1 15 115 115 12000 West Godolphin, t, c, Breage 0 17 6 25 12 15 6000 West Kittv. t, St. Agnes 0 12 0 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
10000 West Godolphin, t, c, Breage 0 17 6 2 1/2 2 1/2 6000 West Kitty, t, St. Agnes 0 12 0 9 1/2 8 1/2 9
20000 W. Lisburne, * l, (1l. sh.) Cardigan 1 0 0 14 1 14
3000 West Mary Ann, l, Menheniot
20010 W. Pateley Bridge, I. Yorkshire 1 0 0 12000 W. It Phonix, t, o, Linkinhorne 1 0 2 114114 114
12000 to Phonix, t, o, Linkinhorne 0 10 2 1414 14 6000 W. Breen, *t, c, St. Agnes 0 2 0 14 1 14 51 World Lice, St. Dayl
51 West Ce, St. Day! 6 0 0 64 6 6 6 1 10008 Helston 2 0 0 2 11/2 2
10006 Helston 2 0 0. 2 1½ 2 2048 V neal Frances, t, Illogan I 30 1 3 19 13 19 3000 West Wheal Peevor, t, Redruth 3 0 6 15 14½ 15
3000 West Wheal Peevor, t, Redruth 3 0 6 15141/2 15
12000 West Wie Valley, * I, Montgomery. 3 0 0 6000 Wheal Agar, c, Illogan! 14 6 0 15 14 15
6144 Wheal Basset, c, Illogan 6 1 0 514 5 514
3000 Wheal Boys, t, Redruth
12000 Wheal Coates United,** t, St. Agnes 0 17 6 1½1½ 1½ 2585 W.Comf., & No. Tres., t, e, Gwennap 2 0 32½ 2½ 2585 W.Comf., & No. Tres., t, e, Gwennap 2 0 32½ 2½ 5000 W.Fortune,** s, c, ars, Harrowbarrow 0 0 32½ 3 1500 W.Fortune,** s, c, ars, Harrowbarrow 0 0 32½ 3 1500 Wheal George,** t, bt, Carnarvon 1 0 0 32½ 3 12288 Wheal Jane, t, Keal 10 8 1½ 11½ 13 14 15 1
50000 Wheal Elizabeth, * t, Cornwall 1 0 0 3 23/ 3
5000 W. Fortune, *s, c, ars, Harrowbarrow 1 0 0 3 2½ 3 15000 Wheal George, *l, bl, Carnarvon 1 0 0 3 2½ 3 12228 Wheal Lane, t, Keal
12288 Wheal Jane, f. Keal 10 8. 13, 134 154 152 12000 Wh. Hony and Trelawny, s-i, Lisk. 2 0 0. 3 25 25 25 25 25 25 25 25 25 25 25 25 25
12000 Wheal Jewell, c, St. Hilary 0 18 0 34
12000 Wheal Jewell, c, St. Hilary
2000 Wheal Owles, t, St. Just 1
6000 Wh. Prussia, & Cardrew, t,c, Rdrth 2 0 0 15611/2 11/2 6000 Wheal Sisters, t, Lelant
4096 Wheal Unv. t. c. Redruth 16 3 0 374 31/39
4000 Ystwith,* 7, Cardigan 1 0 0 14 34 14
bl, blende; c, copper; g, gold; l, lead; s, silver; sl, slate; s-l, silver-lead; t, tin; z, zinc; t, iron; a, arsonic. * Limited Liability Companies: t guoted on the Stock Exchange
* Limited Liability Companies: † quoted on the Steel Feet

bl, blende; c, copper; g, gold; l, lead; s, silver; sl, slate; s-l, silver-lead; t, tin; s, zinc; i, iron; a, arsenic.
* Limited Liability Companies; t quoted on the Stock Exchange;
t have paid dividends.

NON-DIVIDEND FOREIGN MINES; FOREIGN AND MISCELLANEOUS STOCKS; TRAMWAYS; INSURANCE COMPANIES; GAS, IRON AND COAL, WAGON COMPANIES, &c.

NON-DIVIDEND FOREIGN	MIN	VES.	NON-DIVIDEND FOREIGN MINES-continued.
Shares.	Pare	1. Clos. pr.	Shares, Paid, Clos. pr.
67000 Akankoo, d. Gold Coast	0 5	0	8600 Rio Grande do Sul* (and 31,000 pref.) 5 0 0
64880 Anglo-African, *d, Kimberley,†	4 0	0 51/4 61/4 0 23/4 3	25200 Pulsa Grande, g, Brazil* (El sh.). 1 0 0 16 3/16
12000 Arendal, c, Norway	0 7	6	34022 San Pedro, c. Chili 1 5
	2 0	0 2 21/8	120000 Santa Cruz, * sul, c, Ferrol, Spain 1 0 0 1/2 3/4
30000 Bratsberg, * c, Norway 40000 Brazilian, g, * Brazil	1 0	0 1 11/4	250000 Silver Peak, * s, Colorado 1 0 0
200000 British Australian, * g, N. So. Wales 10000 Buena Ventura, * l, Spain (fy.pd)	1 0	0	200000 Souback & Catir Alan, * s-l, Turkey. 1 0 0
10000 Buena Ventura,* 1, Spain (fy.pd)	2 0	0	100000 South-East Wynaad, g, India† 1 01¼ 1¾ 160000 Tambracherry * g, Wynaad 1 0 024 1¼
30000 California,* g, Colorado 130000 Callao Bis,*g, Venezuela	1 0	0 3/4 1	100000 South-East Wynaad, g, India† 1 01¼ 1¾ 160000 Tambracherry, g, Wynaad 1 0 0 ½ 1½ 150000 Tamuns, *s.l., Germany, 0 10 043174 United Mexican, *t] s, Mexico29 10 31¼ 1¾ 50000 Tympleys, s, Bl., the stitle Con.**
130000 Callao Bis,*g, Venezuela	1 0	0	43174 United Mexican, "17 s, Mexico 29 10 311/ 13/
15000 Canada,* g 82500 Canadian, c, sul,* Canada†	4 0	0 134 2	The term of the te
23000 Central Jagersfontein Diamond*	5 0	0 21 234	120000 Wentworth, g, Wynaad 1 0 0
100000 Cherambadi (Wynaed) District. " q.	1 0	0	100000 West Frntno & Boliv., *g, Colombia 1 0 0 100000 Wynaad District, *g, India 1 0 0
500000 Chile, g, Venezuela	1 0	0	
75000 Color * a Mysore	0 10	0 1/16 3/16	75000 Yorke Peninsula, c, So. Australiat 1 0 0 3/6 5/16 54800 Yorke Pen., c, South Aust. Pref. 1 0 0 34 1
75000 Colombian Hydraulic, q, Colombia	1 0	0 36 16	75000 Yorke Peninsula, c, So. Australia† 1 0 0 3/6 3/6 54800 Yorke Pen., c, South Aust. Pref.† 1 0 0 4 1 140000 Yuba River,*g, Ayd, California 1 0 0 1 1/6
75000 Colombian Hydraulic, g, Colombia 165000 Colorado United, s-l Colorado*†‡	5 0	0 214 214	140000 Yuba River,*g, hyd, California 1 0 0 1 11/6
100000 Cootacovil.* q. Wynaid	1 0	0 38 38	
20000 Devala Central, * g, Wynaad	1 0	0 3/8 7/8	
20000 Devala Central, * g, Wynaad 00000 Devala Moyar, * g, Wynaad† 75000 Devala Provident, * g, Wynaad†	0 10	0 11/8 13/8	
50000 Dieu Donné, * q. Surinam		6 1/16 3/16	INSURANCE COMPANIES.
100000 Dieu Donné, * g, Surinam 100000 Dingley Dell, * g, Devala, India	1 0	0	Issue, Shares, Pd. Clos. pr.
100000 Don Pedro North del Rey*	1 0	0 1/4 1/4	50000 100 Alliance British and Foreign 11 37½ 38½ 10000 100 Ditto, Marine
205168 Eberhardt, s, Nevada*†	1 0	0 56 7/8	10000 100 Ditto, Marine
20000 English Australian, g, Victoria* 65000 Eureka, * s, Nevada	1 0	0 3/8 11/8	
100000 Exchequer, g, s, California*†	1 0	0 1/10 3/10	50000 50 Eagle 5 6½ 7
160000 Flagstaff District, * s.g. Utah	1 0	0	5000 20 Globe Marine [L] 11
65000 Gold Coast,* g, Wassau 140000 Gold Hill,* g, North Carolina 250000 Gold Mining Assn. of Canada* 60000 Great Consolidated of Spain	1 0	0	27500 100 Imperial Life
140000 Gold Hill, " g, North Carolina	1 0	0 1 1%	100000 10 Lion Fire [L] 2 1 11/2
250000 Gold Mining Assn. of Canada	1 0	0	49626 20 L'pool & Lond, Globe (£1 annty) 2 20 21
75000 Great Southern Mysore,* g	1 0	0	35862 25 London
120000 Hoover Hill * a. North Carolina	1 0	0 56 34	50000 20 London and Provincial Marine 2 5 5%
10000 Hornachos,* s-l, Spain	10 0	0 10 1034	10000 100 Marine 13 26 28
120000 Hoover Hill, *g, North Carolina 10000 Hornachos, *s-l, Spain 12000 Hultafall, *l, bl, Orebro, Sweden .	5 0	0	50000 10 Merchants' Marine 2 11/2 13/4
150000 Indian Consolidated,* g	1 0	0 3/8 1	50000 10 Maritime
100000 Ind. Glenrock, g, Wynaad	1 0	015/1011/10	30000 100 Northern 5 521/4 53
150000 Indian Phonix,* q, Wynaadt	1 0	0 76 11/8	40000 25 Ocean Marine 5 5 / 9
150000 Indian Mammoth, *g, Chulimulla. 150000 Indian Phonix, *g, Wynaad† 150000 Indian Trevelyan, *g, Wynaad†	1 0	013/1611/16	200000 10 Queen 1 3½ 4
160000 Isabelle, * g, s, California	1 0	U	100000 10 Railway Passengers 29s 71/4 8
	1 0	0 1/16 1/16	200000 5 Rock Life 16 81/4 83/4
50000 Javali, g, Nicaragua*	2 0	0	50000 10 Sea
100000 La Concepcion.* g, Venezuela	1 0	0 36 1/2	
	2 0	0 1/16 3/16	1 10000 20 Thames and Mersey Marine [L]. 2 131/4 131/4
135000 Madras, g, Mysore 100000 Michipicoten, nat. c, Quebec	1 0	0	40640 20 Union Marine, Liverpool [L] 3% 5% 6%
100000 Michipicoten,* nat. c, Quebec	1 0	0 11/8 13/8	50000 20 Universal Marine [L] 3 81/2 9
9000 Missouri, <i>l</i> , pref (fully paid) 50000 Moselle,* <i>l</i> , <i>b-l</i> , Germany	1 0	010 101/2	
135000 Mysore,* g, Indiat	1 0	0 11/ 13/	
120000 Mysore Reefs,* g, Madras	1 0	0 36 36	
37000 N Gold Rup, *hud, Cal (* 23700 prof	1 0	0	MISCELLANEOUS
100000 Nine Reefs,* g, Kolar, Mysore	1 0	0	Shares, Company, Pard, Price,
120000 Mysore Reets, "g, Madras 40000 Nava de Jadraque, "g, s, Spain	1 0	0	25 Australian Agricultural 21 10 83 85
200000 Nouv. Monde, g, Ven. (en com.) t.	0 5	0 36 36	10 Brighton Aquarium [L] 10 0 334 44
150000 Olathe, * s-l, Leadville, Colorado	1 0		25 City of London Real Property 12 0 15¾ 16¼ 16 Fore Street Warehouse [L] 14 0 18½ 19½
125000 Ooregum,* g, Mysore	1 0	0 3/8 5/8	15 Foster Porter and Co (L) 10 10 151/ 161/
15000 Organos,* q, Colombia	1 0		7½ Imperial Credit [L] 7 10
80000 Pestarena United, a. Italy*t	3 0	0 36 36	
100000 Pierre d'Or,* g, Spain 80000 Pierrefitte* (20000 pref.)	1 0	0	10 Pawson and Co. [L] 6 0 51/4 6
80000 Pierrefitte* (20000 pref.)	1 0	0	50 Peninsular and Oriental Steam 50 0 62 64
30000 Placerville, g, q, California 50000 Potosi,* g, Venezuela†	2 0	0	Btk. Scottish Australian Invt. Co. 100 0190 200
00000 Providence, g, s, California	1 0	0	Stk. Ditto New Ordinary 50 0 90 100 Stk. Ditto 6 per c. guar. pref 100 0 130 135
00000 Providence, g, s, California 50000 Rara Fortuna, s, Argent. Repub	1 0	0	Stk. Ditto 5 per c. guar. pref100 0112 117
40000 Ravenseliff, g, N. Zlud; c, S. Aust. 20000 Rhodes Beef, g, Wynadt	0 5	0	12 Telegraph Const. & Maint. [L] 12 0 28 29
25000 Rico, s, Colorado (non,-assessable),	2 0		5 Ditto, 2nd Bonus, 3 p. c. (retd. 2 10 0) 156 176 1 Zoedone [L]
, , , , , , , , , , , , , , , , , , , ,	- 0		1

Share		ice.
£100	Abbot, John, and Co [L] 2 75 0 421/2	371/4 dis
5	Alltami Colliery Co. [L] 5 0 1	11/2
20	Ashbury Co. [L] (new) 6 10 61/4	6¼ dis
3	Bagnall, John, and Sons [L] 3 0. 5/16	7/18
10	Benhar Coal Co. [L] 10 0 11/4	13%
10	Bilbao Iron Co.[L] 10 0 558	534
50	Bolckow, Vaughan, & Co. [L] A 12 0 436	47/8 pm 20 dis
100	Brown, Bailey, and Dixon [L] 40 0 22 Brown, John, and Co. [L] 75 0 6	5% dia
		0/4 410
3	Cakemore, Cseway, Grn. ord.sh. 3 0 Ditto (7½ per cent. pref.) 3 0	_
	Comments for the first first and the first	7 dis
20	Cannock & Huntington Coal[L] 10 0 101/2	10 dis
10	Central Swedish Iron &Stl.[L] 10 0 1	11/2
50	Charlton Iron Co. [L] 50 0 3	31/2
50	Chatterley Iron Co. [L] 50 0 81/2	9
10	Chillington Iron Co. [L] 10 0 33%	358
10	Consett Iron Co. [L] 7 1C 16	16½ pm
20	Consett Spanish Ore [L] 1 0 36 Darlington Iron Co. [L] 18 10 1	1/2 pm
50		11/4 dis
23	Davy Brothers [L]	111/4
8	Genl. Mining Ass. [L] (ful.pd.) 80 0 414	43/4
	Knowles, Andrew, and Co. [L] 22 0 91/2	9 dis
20	Llynvi and Tondu [L] 20 0 71/2	814
10	Lydney & Wigpool Iron Ore [L] 9 12 1	2
10	Marbella Iron Ore Co. [L] 10 0 7	736
10	Midland Iron Co. [L] 5 0 1%	2 pm
10	Monkland Iron & Coal Co. [L] 10 0	
4	Mwyndy Iron Ore [L] 3 15 1	28
100		36
10	Newport Abercarn Coal Co. [L] 10 0 7%	8 78
35	Palmer's Shipbldg. & Iron [L] 35 0 28	281/4
	Parkgate Iron Co. [L] 65 0 5%	6 pm
20	Patent Nut and Bolt [L] 14 0 1014	103/4 pm
20	Pelsall Coal and Iron [L] 20 0 15	151/4
50	Rhymney Iron Co. [L] 50 0 30	32
10	Sandwell Park Colliery Co. [L] 10 0 171/2	18
100		55 5 dia
25		2 018
50	Silkstone & Dodw.Cl.& Iron[L] 45 0 Somorrostro Iron Co. [L] 50 0	_
100	Staveley Iron and Coal Co. [L] 60 0 22	24 pm
100	Ditto ditto B 10 0 31/4	4 pm
5	Teesside Iron & Engine Works 5 0 11/4	2
50	Tredegar Iron and Coal, A [L] 26 0 1/2	dis par
	Ditto ditto B 25 0 26	26 1/2
20	Ulverston Mining Co. [L] 16 0	
10	Vancouver Coal [L]	1414
23	W.Cumberland Iron & Steel [L] 20 0 131/2	11/2

		BANKS.		
Issue.	Sho	res.	Pd.	Clos. pr.
00000	10	Agra [L]	all	. 10 101/2
80000	20	Anglo-Egyptian Banking [L]	all	. 27 28
30000	40			
12500		Bank of British Columbia		
20600	50	Bank of British North America		
10000	25	Bank of Egypt		
50000	20	Bank of New South Wales	all	. 61 63
00000	10	Bank of New Zealand		
25000	25	Bank of South Australia		
20000	50	Bank of Victoria		
40000		Chartrd, of Ind., Aust., & China.		
30000		Ch. Merc. of Ind., Lond., China.		
20000	100	Colonial		
50000	20	English Bk, of Rio de Janeiro [L]		. 14% 14%
60000	25	London and River Plate [L]		
50000		London and San Francisco [L]		. 61/2 7
50000		London Chartered of Australia		
00000	11	National Bank of N. Zealand [L]	314.	. 31/4 4
60000		Oriental Bank Corporation		19 20
12500	10			. 9 914
34900	1 30	Studrd. of British So. Africa [L].		59 60
50000		Union of Australia		

GAS COMPANIES.
5000 20 Bahia [L] Pd. Clos. pr. all . 18 19
10000 5 Ditto, New [L] 4 414 5
29700StkBrentford Consolidated 100 157 162
550000. Stk. Commercial 100 181 186
20000 20Continental Union [L] all 26 27
20000 20 Do do Now 1989 1979 14 171/ 19
20000 20 Do. do. New, 1869, 1872 14 171/4 18 10000 20 Do. do. 7 per ct. Preference all 26 27
23406 10European [L]
94850 .Stk Gaslight and Coke, A, Ord 100 170 174
284200Stk Do, 4 per cent. Deb. Stock100 102 104
5000 10 Hong Kong and China all 15 16
1800000 .Stk Imperial Continental100 186 189
386500BtkLondon
12000 5 Malta & Mediterranean [L] all 2 236
100000 Metrop. of Melbourne 6 p.c. Deb
25000 20 Monte Video [L] all 14 15
10000 5Ottoman [L]all 21/21/21/21
30000 5Oriental [L]all 6¼ 7%
27500 20Rio de Janeiro [L] all 25 28
5J0000 Stk South Metropolitan, A100 207 212
50000Stk Ditto, ditto. B100 175 180
D
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TRAMWAYS.
Issue, Shares, Pd. Clos. #
40000 5 Anglo-Argentine [L]
10000 10Barcelona [L]
7140 10Belfast Street Tramways all 8 6%
3050 10Birkenhead, Ordinary all 4 5
3000 10 Ditto, 6 per cent. Preference, all . 9%10%
9290 10Bristol [L]
9290 10Bristol [L]
3200 10 Chester [L]
24000 10Dublin
14690 10Edinburgh Street Tramways all121/121/
35000 10Glasgow Tramway & Omni. [L]. 9 15 15%
10000 10Hughes Loco. and Tram. works. all 1 1
7500 10Hull Street Tramways ali 8/4 9/4
7500 10 Aun Street Framways
7500 10Imperial [L]
25000 10London [L]
15000 10London Street Tramways all101114
60000 10North Metropolitan
8000 10Nottingham and District [L] all 9 9%
5000 10 Nottingham and District [12] an 5
15947 10Provincial [L]
5000 to Southernton all 647
DUUU IUDUUUIIMIPUUII
6000 10Sunderland [L] all 4 5
10000 10Swansea [L]
12000 10Trainways of France [12] an 07104
16500 10Tramways of Germany [L] ali10 10 10 10 10 10 10 10 10 10 10 10 10 1
20000 5 Tramways and Gen. Works [L]. ali 64 64
40000 5Tramways Union [L] all 6 6%
25000 10Vale of Clyde 6 5% 5%
7200 19Wolverhampton [L] all 6 1
THE PODADU COMPANIES

Shar	00	Pd.		Clos	. pr.
Btk.	Anglo-American10	0 0	***	531/4	54
10	Cuba 1	10 0	***	91/2	10
10	Direct Spanish	9 0	***	1034	11%
10	Eastern 1 East, Exten. Austr. and China 1	10 0	***	101/8	107
10	German Union	10 0	***	1014	103
10 25	Great Northern	10 0 25 0	***	27 1/2	28%
10	London Platino Brazilian	10 0	***	4	5

London: Printed by RICHARD MIDDLETON, and published by HENRY ENGLISH (the proprietors), at their office, 26, FLEET STEEET, E.C., where all communications are requested to be addressed.—November 26, 1881.